

Distributed Energy Resources, Energy Efficiency, Energy Storage, Microgrids, Distributed Generation, Finance, Solar - March 3, 2017

Green bond funds helped finance Apple Park's energy efficiency, renewable energy features



Share

Tweet

Share

Print

Email

Photo of Apple Park's ring-shaped main building provided by Apple.

About a year ago, Apple Inc. made history with its issuance of a \$1.5 billion green bond; it was the first green bond issuance by U.S. tech company and the largest issued by any U.S. corporation.

Today, the company has published a report detailing how it has utilized the funds from the issuance in fiscal 2016. In total, Apple said it allocated \$441.6 million across 16 projects, including renewable energy, energy efficiency and green buildings.

Among them, Apple says in its report, were key renewable energy and energy efficiency elements of its massive new, energy smart headquarters, Apple Park. The company said elements financed with green bond funds included onsite renewable energy – the campus features a 17 MW rooftop solar installation – battery storage, energy-efficient lighting, and passive cooling features.

Smart Energy Decisions reported on some of Apple Park's energy smart features after the company

announced them in late February, but the [green bond report](#) offers additional tidbits, including the existence of 4 MW of onsite directed biogas fuel cells. Apple wrote:

Apple Campus 2 is designed as a micro-grid to ensure operations can continue in the event of a utility grid outage. When grid power goes down, the micro-grid controller allows the campus to operate autonomously, matching energy generation (solar PV, biogas fuel cells, battery storage, and backup generators) to energy consumption.

Additionally, the lighting at Apple Park is 100% LED, which is expected to yield 25% savings in energy consumption over previously standard lighting.

Green bonds are classified as "green" for the requirement that capital raised through them be exclusively used for environment-friendly investments. The emerging asset class has been viewed as a fast-growing source of low-cost debt for renewable energy and energy efficiency programs.

Tags: [Apple](#), [green bonds](#)

Read These Related Articles:

- [Apple has slashed carbon emissions by 60% since 2011 via efficiency, renewable sourcing](#)
- [Apple issues 2nd green bond, urges climate leadership](#)
- [Apple boasts 93% of facilities now powered with renewables](#)
- [Apple reveals new supplier clean energy commitments](#)
- [Apple, IKEA, Tesla among climate policy leaders](#)

Share

Tweet

Share

Print

Email

[« Back to Energy Management](#)