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OCTOBER 6, 2009

Sony Electronics HQ Boasts Solar, LEED Construction



The new Sony Electronics headquarters building in San Diego uses solar-equipped parking structures to defray some of the facility's electric needs.

Built to LEED standards – but not yet certified – the 455,000 square foot building took two years to construct, according to a press [release](#).

The building cost \$150 million to construct, according to [SignsonSanDiego](#).

The site features a 160-kilowatt DC [Mitsubishi Electric](#) panel solar power system, which was installed by California-based solar integration company, [Heliopower](#).

The solar installation comes as a power purchase agreement (PPA), in which [San Diego Gas & Electric](#) will own and maintain the structure, with Sony Electronics locked into a long-term deal to purchase the electricity at a set rate.

The solar array features 867 Mitsubishi Electric 185-watt photovoltaic modules and is expected to produce 230,000 kilowatt-hours of electricity annually.

Because space was limited and a central power inverter was not an option, engineers had to design a series of smaller inverters that rest atop the parking structure.

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Table 1. Short-Term Energy Outlook: CO₂ Emissions (million metric tons)

	2008	2009 forecast	Change 2008 to 2009	
			Million metric tons	Percent
Petroleum	2,413	2,311	-102	-4.2%
Natural Gas	1,247	1,221	-26	-2.1%
Coal	2,130	1,914	-216	-10.1%
Total Fossil Fuels	5,790	5,446	-344	-5.9%

Source: EIA, *Short-Term Energy Outlook*, October 2009.

EIA PROJECTS 2009 EMISSIONS REDUCTION OF 29M METRIC TONS

The Energy Information Administration (EIA) expects CO₂ emissions from the commercial and residential ...

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U.S. Chamber of Commerce: Between a Rock and a Hard Place?

Andy Hultgren
Project Manager
SWCA Environmental Performance
Group

With high-profile members – including PG&E, PMN,
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