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Real Stories



Coca-Cola Enterprises' new solar roof can produce 1,600 usable hours of electricity annually with a cost savings of more than \$60,000 per year.

Shown above: Coca-Cola Enterprises' new roof produces 3,290 kilowatt hours of energy each day, which is enough energy to power the average three-bedroom house for one year.

Real Stories

COCA-COLA ENTERPRISES – GREEN BUILDING

PROJECT SUMMARY

Customer: **Coca-Cola Enterprises (CCE)**

Location: **Los Angeles, California**

Completion Date: **January 2004**

System Components: **128-watt PV modules**

System Peak Capacity: **325 kW System**

Estimated Cost Savings: **\$60,000 per year**

BACKGROUND

In 2002, Coca-Cola Enterprises (CCE) was in need of a new roof at its Los Angeles bottling facility. Instead of replacing its existing roof with a standard membrane roof, CCE was able to find a cost-effective solution working with UNI-SOLAR that would not only reduce its operating costs but benefit the surrounding community as well.

SOLUTION

UNI-SOLAR's flexible thin-film solar panels were used to create a new, lighter-weight, single-ply roofing membrane for CCE's bottling facility. The new system integrates 128-watt photovoltaic modules with the roof membrane and produces a peak output of 100 kilowatts of clean power per 28,000 square feet of roof. This capacity is critically important during peak hours when energy from public utility sources is particularly expensive.

The 325 kilowatt solar roof at the Los Angeles production facility began generating electricity on February 13, 2004. By embracing the concept of green energy and implementing a solar roofing system, CCE stands to save millions in energy costs while significantly decreasing its CO₂ emissions over the life of the system.

BENEFITS

- > Coca-Cola Enterprises new solar roof can produce 1,600 usable hours of electricity annually (equivalent to 67 days) with a cost savings of more than \$60,000 per year.
- > The new roof produces enough energy each day to power the average three-bedroom house for one year.
- > CCE avoided the cost of a new roof and does not anticipate significant roof maintenance for another 25 years.

