



*Always There for You!*

## Architecturally Integrated Solar Carport

The architecture of the solar carport compliments the Art Deco style found in many Burbank landmarks including the adjacent Administration Building.

The support arches were inspired by Roman aqueducts and channels rainwater landing on the solar panels to the rain chains and water spouts.

The rainwater then travels down to massive underground water storage and percolation tanks.

The steel solar panel supports stretching from the arches resemble airplane wings to pay tribute to Burbank's rich history in aviation.

Huge underground storage tanks capture storm water and allow the water to percolate down through the soil over time as the soil allows.

The tanks are underground beneath the solar covered parking lot and captures storm water from the rooftop gardens, parking area, and the solar panels via rain chains and down spouts.

### FAST FACTS ABOUT SOLAR CARPORT

|                        |                           |
|------------------------|---------------------------|
| Cost for Solar Panels: | \$1,750,000               |
| Dept. of Energy Grant: | <u>\$1,100,000</u>        |
| Net Cost of Panels:    | \$ 650,000                |
| Solar Modules          | 1074 panels               |
| Inverter               | 1 – 260 kW                |
| Orientation            | Southwest, 15 degree tilt |
| Power in DC kW         | 263                       |
| Estimated Annual       |                           |
| Production in kWh      | 352,000 kWh               |
| Retail Value of Energy | \$53,000 annually         |

