



THE CITY OF SAN DIEGO

## ENVIRONMENTAL SERVICES DEPARTMENT

# *Nobel Athletic Park & Recreation Center*

## *LEED SILVER*

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### **Overview**

The project is a 10,200 square foot recreation center with a multi-use gymnasium and a 16,100 square foot community branch library, both with multi-use community meeting rooms, and all within a 30-acre multi-use community park located in University City.

The elements of sustainable design used on the Noble project provide significant environmental benefits. The use of renewable energy PV system and an energy efficient mechanical system conserves natural resources, reduces solid waste and improves air and water quality.



The library building provides plenty of daylight through both view and clerestory windows with emphasis on diffused northern daylight. The recreation building form is defined by the high bay requirements of the gymnasium that is balanced by the raised clerestory daylight element over the public circulation areas. Both buildings have exterior wall finishes of plaster and tile, including solid color tile combined with exposed aggregate concrete tiles with visually interesting recycled aggregate materials that express the building's Sustainable Design goals.

### **Completion: 2007**

### **Energy**

- 20 kilowatt (AC) rooftop system on the recreation building provides more than over 10% of the total power consumption of the two buildings combined.
- Roofing materials with high solar reflectance and high emissivity ("cool roofs") reduce peak HVAC loads and energy consumption.
- Energy incentives from SDG&E's Sustainable Community Project.
- The library is estimated to be 36.9% better than Title 24, the California Energy Efficiency Standards, while the Recreation Center is estimated to be 33.3% better than Title 24.
- Estimated annual electric savings: 161,412 kWh

- Estimated electric demand reduction: 53.1 kW
- Estimated annual natural gas savings: 2,044 therms
- Estimated annual savings on energy bill: \$28,994
- Estimated annual CO2 reduction: Over 200,000 lbs of CO2

### **Water**

- The irrigation system uses recycled water and results in a significant savings on domestic water use. The system uses an automated timer control with remote control capability. With a 30-acre park, this would significantly help save time and money on regular maintenance.
- Drought resistant plants save on the maintenance and help conserve water.

### **Materials**

- Recycled content materials
- Local and/or regional, certified wood products
- Low or no VOC emitting materials

### **Awards**

- Sustainable Community Champion Award. The project is part of SDG&E's Sustainable Communities Program.
- American Public Works Association (APWA) Project of the Year in the Parks Projects over \$8 million Division
- American Society of Civil Engineers (ASCE) Award of Merit

### **Other**

- The Design-Build delivery method allows the City to save costs during a period of inflated construction costs and on a budget that was set four years prior to construction.

### **Park Features:**

- Three multi-purpose athletic fields and overlays
- Outdoor basketball court
- Tot lot and children's play areas
- Dog off-leash area
- Picnic tables and bench seating areas and overhead shade areas
- Three parking lots with over 300 spaces
- Accessible walkways, and ramps, 1-mile long loop walking course
- Drinking fountains, trash receptacles, and bike rack areas

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