Expo Phase II, Division 14 LRT Operations and Maintenance Facility
Santa Monica, CA
standard energy use

proposed energy use (20% less)

SOLAR THERMAL 4.7%
SOUTHERN CALIFORNIA EDISON 95.3%

PROCESS 8.48%
RECEPTACLE 30.21%
LIGHTING 27.85%
DOMESTIC HOT WATER & PUMPS 1.56%
INDOOR FANS 4.85%
SPACE COOLING 25.08%
standard energy use

demand reduction through design

proposed energy use (20% less)

SOLAR THERMAL 4.7%

SOUTHERN CALIFORNIA EDISON 95.3%

PROCESS 8.48%

RECEPTACLE 90.21%

LIGHTING 27.85%

DOMESTIC HOT WATER & PUMPS 1.56%

INDOOR FANS 4.85%

SPACE COOLING 25.08%
standard energy use

demand reduction through design

proposed energy use (20% less)

solar thermal system

SOUTHERN CALIFORNIA EDISON 95.3%

< ENERGY SOURCES

ENERGY DEMAND >
Demand reduction through design

- Standard energy use
- Proposed energy use (20% less)

Solar thermal system

- 236 kW photovoltaic system

Net Zero Energy

< Energy Sources | Energy Demand >
FACILITIES DESIGNED BY

RNL & Maintenance Design Group

Expo Design Team:
- Design Team Manager: MDG
- Architecture: RNL
- Civil: W2 Design
- Structural: Nabih Youssef & Assoc.
- MEP: Glumac
- Equipment: MDG
- Trackwork & Train Control: Rail Pros
- Track Electrification: HNTB
- Landscape: Pamela Burton & Co.
- Interiors: RNL
- Specifications: RNL
- LEED Consultant: Ambient Energy

Metro