

## Engineering Firm Uses Autocase to Help City of Los Angeles Justify ZNE Design

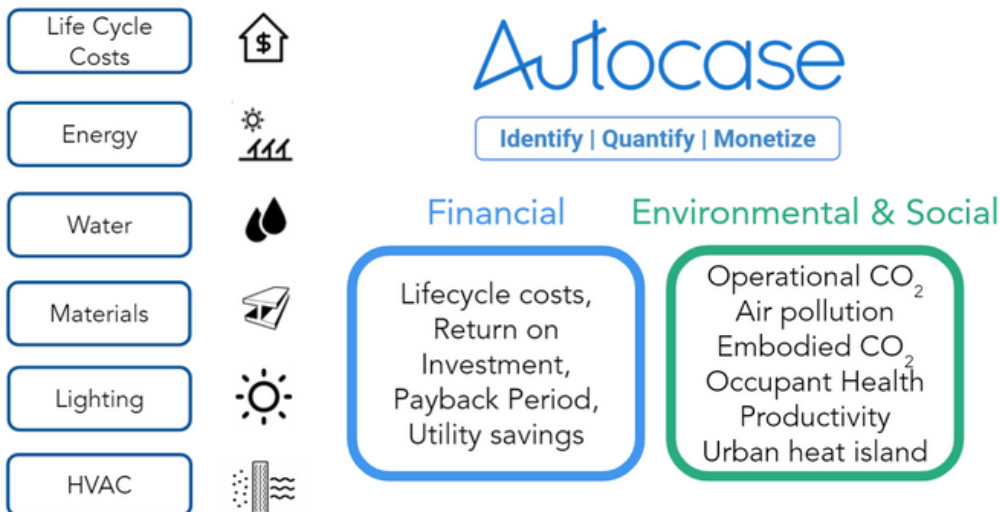


### Project Description

Studio City Recreation Center - a 12,000 sq ft gym is one of the first projects to be designed following Mayor Garcetti's Sustainability plan and is set to be a Net Zero Energy building.

City of Los Angeles Bureau of Engineering wanted to justify the additional cost for ZNE and going above and beyond the City's LEED Silver requirement.

### Strategies Assessed



#### PARTNERS

City of LA + BuroHappold

#### DESIGN PHASE

Late SD

#### BUILDING TYPE

Recreation Center

#### SIZE

12,000 sq ft

#### LOCATION

Los Angeles, CA

## How Autocase was Used

The BuroHappold team inserted late-stage project information on the additional cost of electrification & achieving ZNE, as well as the improved landscaping & indoor environmental quality strategies into Autocase.

**Triple Bottom Line - Net Present Value = \$3.2m**

	Baseline	LEED Platinum/ZNE
Incremental Cost	N/A	+ \$470,000
Electricity Use	EUI = 71.3	EUI = 33.1
Natural Gas Use	EUI = 0	EUI = 0
Water Use	Indoor = 0.28m g/yr Outdoor = 1.6m g/yr	38% reduction
Solar PV	0 kWh	~ 110,000 kWh
Thermal Controls	0%	50%
Quality Views	Poor/Medium	Good
Access to Daylight	30%	90%

**Social = \$2.6m**

**Financial = \$0.34m**

**Environmental = \$0.25m**

## The Outcome

Autocase showed that the extra \$470K to achieve ZNE paid off through energy savings alone. Moreover, another \$3m worth of social & environmental impact is created when the value of improved health and wellbeing was included.

The Bureau of Engineering can now advocate for going above and beyond code.

**Want to learn more?**

[info@autocase.com](mailto:info@autocase.com)



[autocase.com](http://autocase.com)