Create a Zero Energy Community

Encourage Chicago suburbs to reassess standards

Influence planning of future communities

SITE PLANNING

ENERGY REDUCTIONS

BUILDING SYSTEMS

AVERAGE PROTOTYPE

The checkerboard design allows for maximum solar access

ACTIVE
- PHOTOVOLTAIC
- SOLAR THERMAL
- GEOTHERMAL
- GREY WATER HARVESTING

PASSIVE
- CROSS VENTILATION
- PASSIVE SOLAR
- DAYLIGHT CONTROLS
- GREEN ROOF
- SIPs
- TRIPLE GLAZED ARGON WINDOWS

ENERGY REDUCTIONS

COST REDUCTIONS

Electric Consumption (kWh)

AVERAGE VS. PROTOTYPE

AVERAGE ANNUAL USAGE
47,600 kWh

PROTOTYPE ANNUAL USAGE
15,300 kWh

SAVINGS
32,300 kWh
@ $0.107
$3,456/year

OVER A 30 YEAR MORTGAGE
$183,680