

Wasl Residential & Commercial Building (Al Barsha)

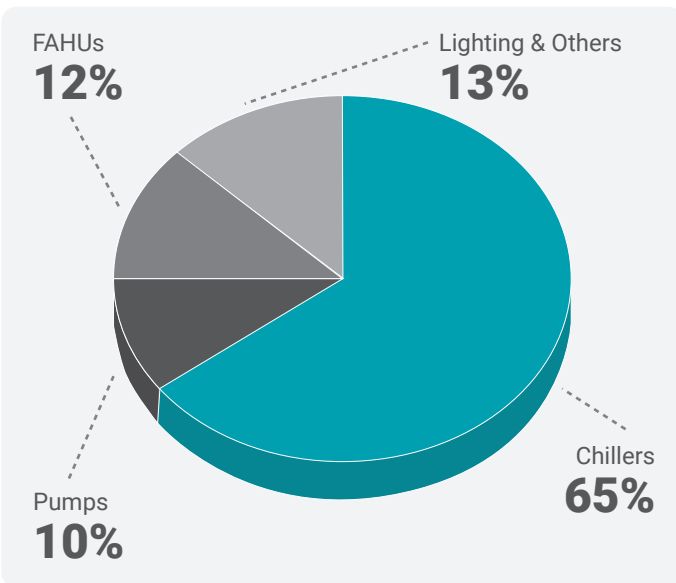


Project Highlights

Energy Retrofit + Solar PV Rooftop
Client: Wasl Properties



Annual Energy Highlights



Energy Bill



Energy Consumption



Challenges



High Energy Bills



Solution

- Installation of 250 kWp Solar PV System
- Window AC to Inverter split AC replacement
- Demand Controlled Ventilation
- Chiller Plant Optimisation
- Condenser Precooler on Chillers
- Dynamic Set Point Control
- VFD Retrofit for Existing Chillers
- Lighting replacement with LED



Financing



Guaranteed Savings



Project Results

Environment

2.18 MWh/year

CO₂ ↓ 2,420 Tonnes

↓ 519

↑ 62,707 ten-year old seedlings

Economic

909,851 AED
Annual Energy Cost Savings

4.11 years
Simple payback

Solar PV Rooftop System

System size: 250 kWp
Panel quantity: 906 nos
Energy: 364,000/year

↓ 34%
Energy Savings

Energy Savings Profile

