

Overview on Sharjah Government's Energy Efficiency Program



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Efficienology = Efficiency + Technology











Sharjah's Vision in EE







Approach at SEWA

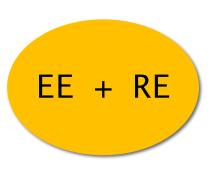












Efficiency First!



Renewables Integration



SEWA EE initiatives & services



Peak Hour

1st July 2:30 to 3:30 PM

Awareness

Peak hour

- 1. Energy saved 40MW last year
- 2. Huge Campaign through the GCC and MENA region



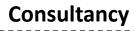


- LED lights
- Pumps
- Solar Water Heater











- ESCO Program
- Design approvals
- Leakage detection



Energy Management



 Energy Monitoring focused on the highest consumers "Top100"



Retrofit Program in Sharjah

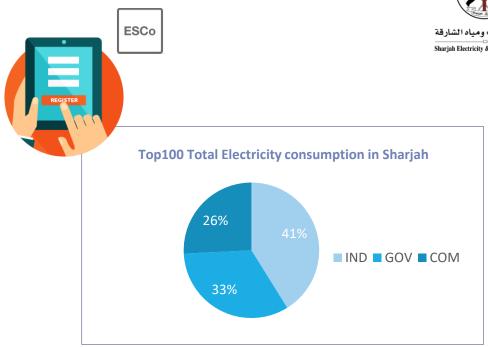
هيئة كهرباء ومياه الشارقة Sharjah Electricity & Water Authority

• End of 2017, SEWA has launched the "Retrofit program" and started the ESCO registration.

 Focuses on the "Top 100 consumers" which utilize most of the electricity and water in the SEWA's network.

Nearly 41% of the electricity consumption of the <u>Top 100 Consumers of</u>
<u>SEWA</u> is from Industrial clients.

 Network modifications: towards increasing the overall efficiency and reduce the losses.









In-house Projects "on-going"

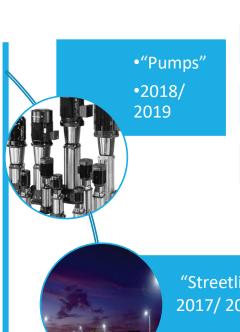
Sharjah Electricity & Water Authority

- Power and desalination plants
- Substations
- **Buildings**









Investment = 7.3 Million AED

Payback period = less than 2 years

Savings / year = 5.4 Million AED





"HVAC"

2018

Covered more than 100km of Solar Streetlight

Investment = 29.2 Million AED

Savings / year = 1000 MWh



Investment = 3 Million AED

Savings / year = 7847.28 MWh (36 %)









<u>Conclusion</u>







Customers start to engage & share their case studies with SEWA





Behavioral Change

