



The Lebanese Environmental Action: for Water, Air and the Environment

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What is LEA?

LEA is a national financing mechanism by the Central Bank of Lebanon. LCEC is the technical support unit.

LEA allows private sector entities to apply for subsidized loans for any type environmental conservation measure related:

Water

Air Quality

Resource
Conservation

Environment

It can be obtained from any Lebanese commercial bank with around 2.25% interest rate and a repayment period of up to 14 years including a grace period of 4 years.

Eligible Measures for Water Conservation



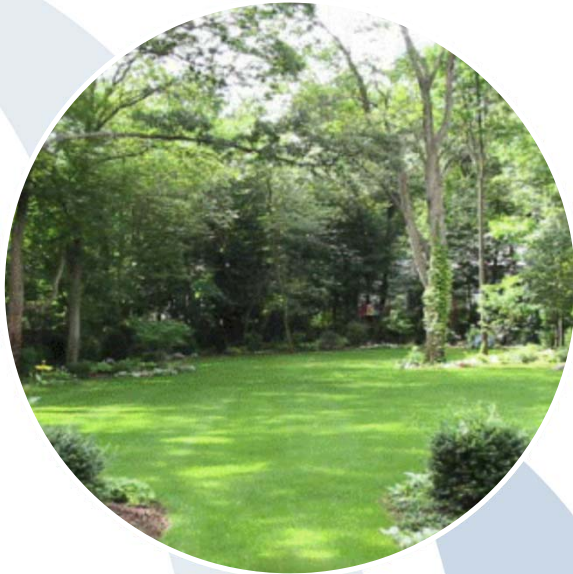
Rainwater
Harvesting



Efficient
Irrigation



WWTP
& Greywater
treatment plants



Sustainable Landscaping



Sustainable Agriculture Practices



Water savings fixtures

LEA: Requirements by Measure

Softscaping

- Native Plants
- Low water requirements/ Drought Resistant Plants

Efficient Irrigation

- Efficient irrigation i.e: drip irrigation
- Achieve 30% water savings from BAU

WWTP

- Effluent water quality suitable for other purposes reuse

LEA: Requirements by Measure (Cont'd)

Rainwater Harvesting

- Harvested water quality suitable for further uses
- Suitable design and tank storage

Sustainable Agriculture

- Efficient Irrigation – micro sprinklers and better
- Achieve 15% of Water Savings compared to BAU (Baseline sprinkler's water consumption)
- Soilless Irrigation (Hydroponics/Aquaponics)

Efficient Water Fixture

- Reduce Indoor Water Consumption by 20% compared to conventional fixtures
- LEED V4 Indoor Water Reduction calculator

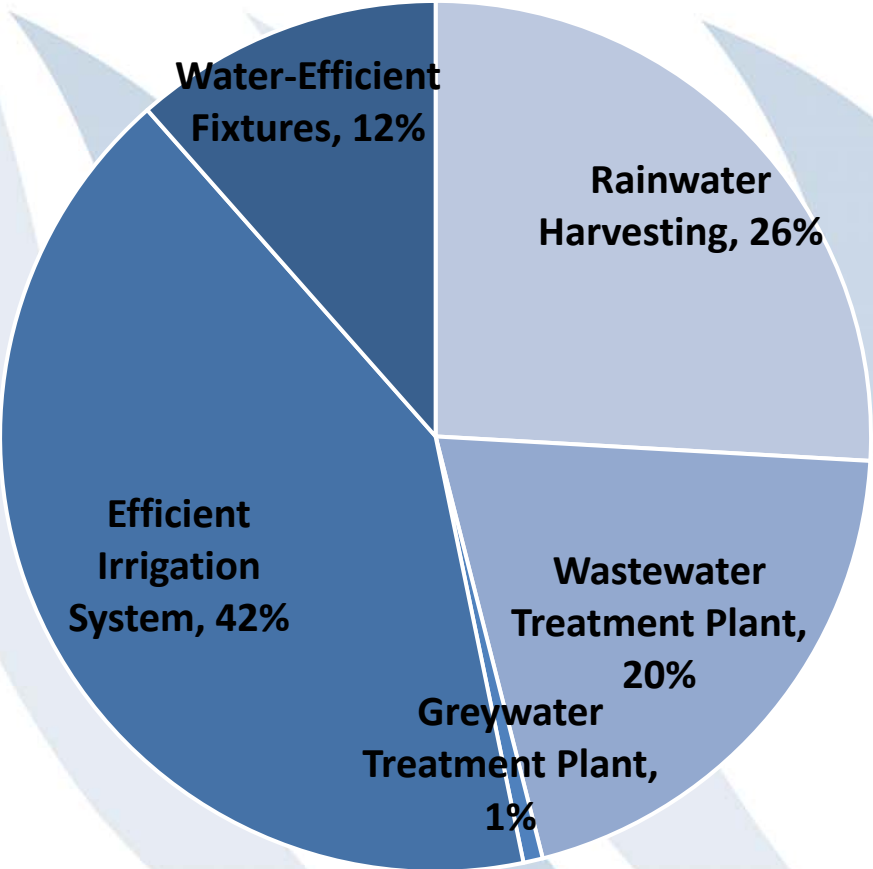
LEA Results

Until September 2018:

- More than 144 projects among which 90% are approved and 5% are under review and 5% are rejected/cancelled.
- Total granted Loan amount of 76 Million USD.
- **75 approved water-related projects (52% of projects) contain one or more water-related measures.**
- Financed Sectors:
 - Residential;
 - Commercial;
 - Industrial;
 - Educational.

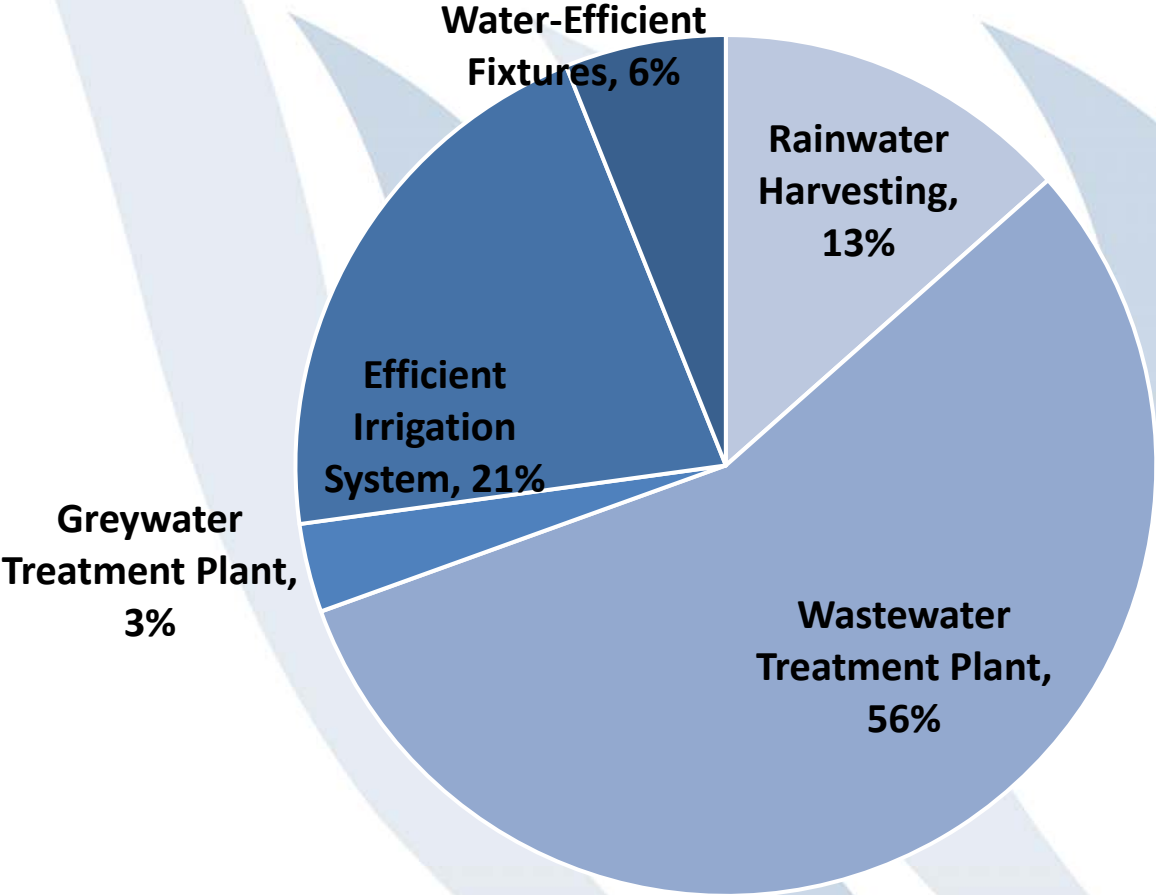
LEA Results

Percentage of Water Related Projects per Measure



LEA Results

Percentage of Granted Loan Amount per Measure



LEA Results

Water Savings Achieved so far:

- In the **Efficient Irrigation** measure, the mechanism saved around: **145,000 m³ per year** which is equivalent to the water needed for **58 swimming pools!**
- **WWTP Total Installed Capacity: 3,100 m³/day** which is the daily around **26,000 person in Lebanon!**
- **Rainwater Harvesting** system: **17,250 m³ per year** again around **7** filled with rainwater put to good use.
- **Water Efficient Fixtures** only started recently, nevertheless we of **12,857 m³ per year.**



Thank You!

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