



مَصْرَفُ لِبْنَانِ
BANQUE DU LIBAN

BDL Energy Incentives

*Sustainable Energy Access for Rural Areas, BIEF
September 22, 2016*

National Energy Efficiency and Renewable Energy Action

- Energy Efficiency measures.
- Renewable Energy base, i.e. Solar and Wind energy.

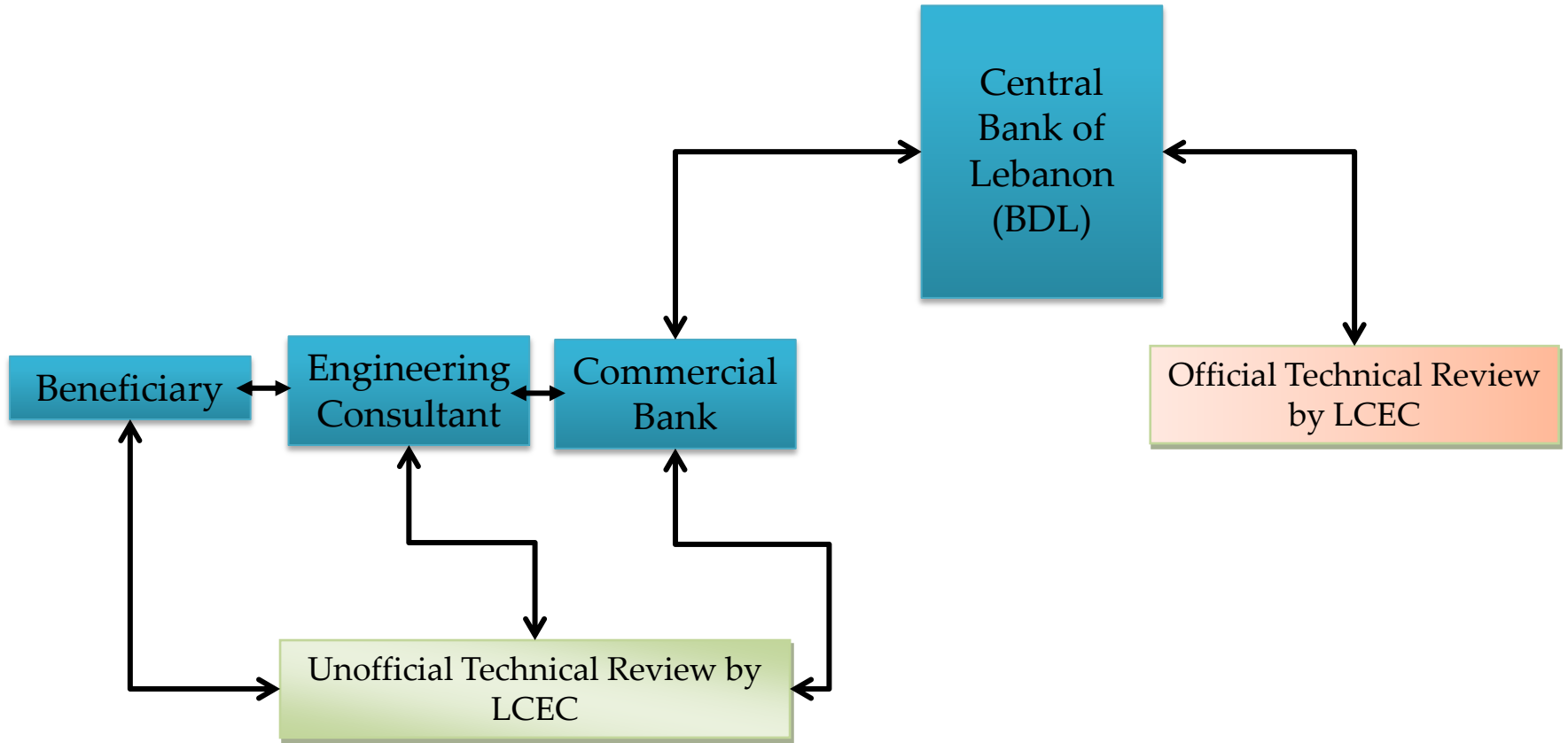


BDL Energy Incentives



: A National Initiative to incentivize the Financial Sector to support Green Energy Technologies

Structure



Cost of EE & RE Investment

$\leq 1\%$

BDL Energy Incentives

New Projects

- Up to 14 years maturity
- Up to 4 years grace period

Re-Modeling Existing Projects

- Up to 10 years maturity
- Up to 2 years grace period

EU Grant for EE
(November 11, 2010)



€12,200,000



Fully allocated with more than 100 beneficiaries



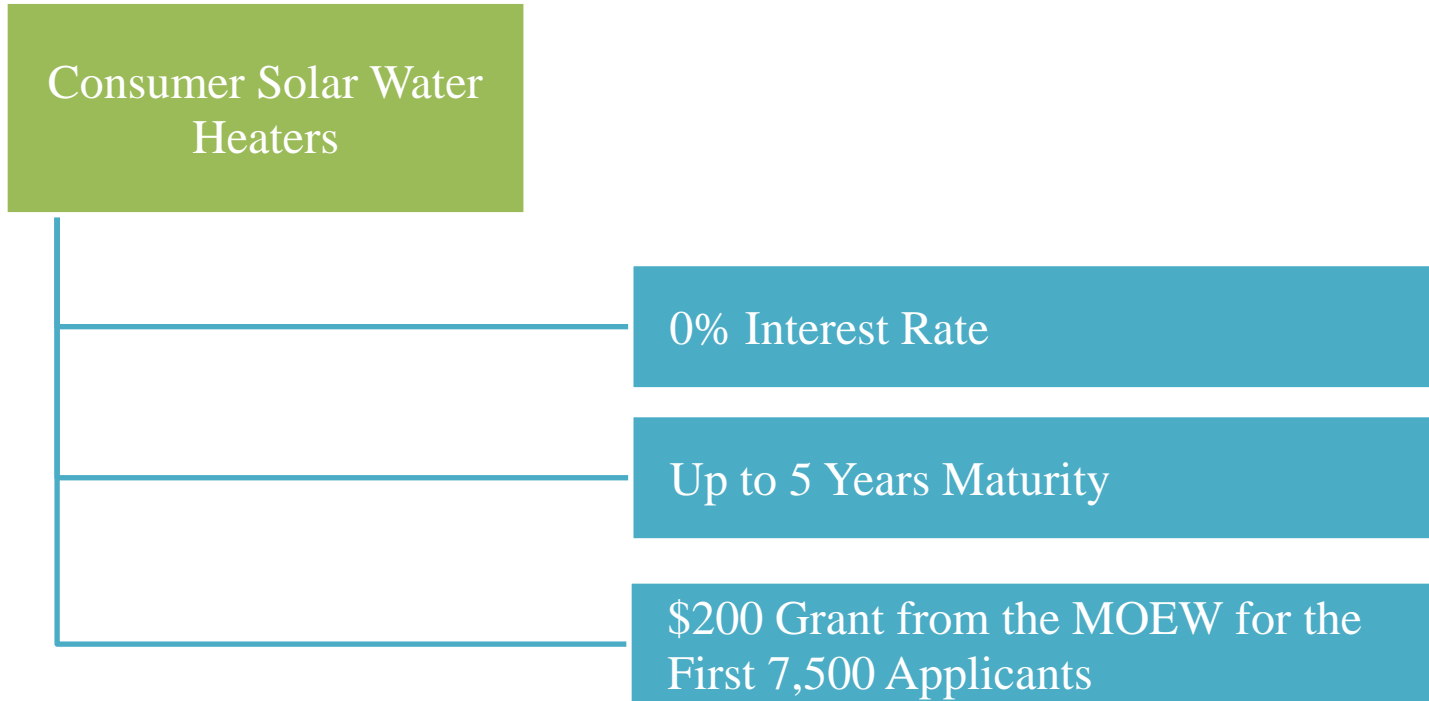
DREG Decentralized Renewable Energy Power Generation Project



Private Sector RE Investments



Grant co- financing of \$150,000 or 25% of project's cost



Number of granted SWH loans \approx 20,000

Number of SWH loans that benefited from MOEW = 6,000



Consumer Solar Water
Heaters in Rural Areas

0% Interest Rate

Up to 5 Years Maturity

\$200 Grant from the MOEW for the
First 7,500 Applicants

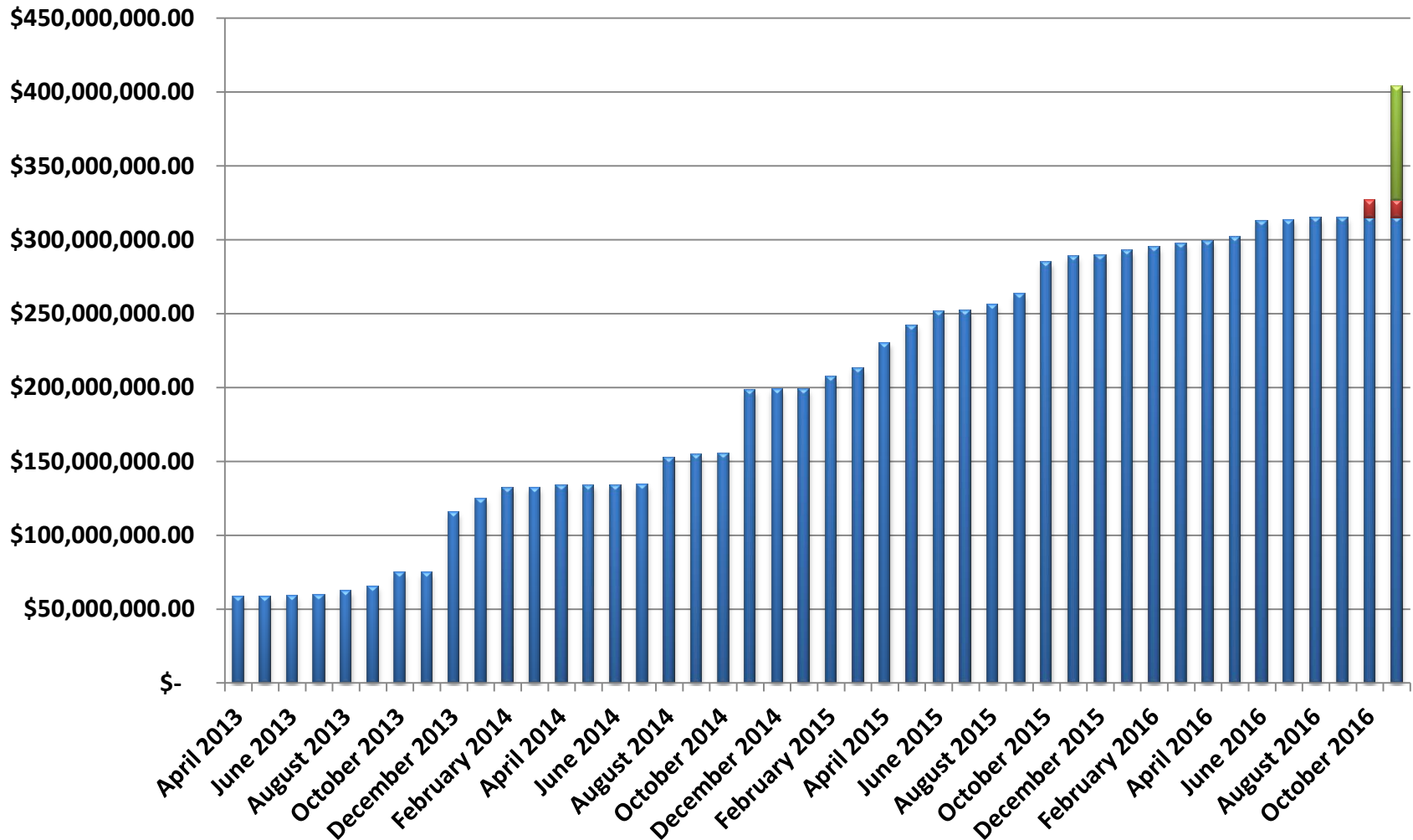
- Pricing was set at cost against carbon credit.

- More than **464** loans approved with a total of **322 million USD**
- Around **42** projects in the pipeline with a total of **12 million USD**
- **338** PV projects of a total installed capacity of **13.5 MWp**
- Green building loans took the biggest part with a total budget of **223 million USD**



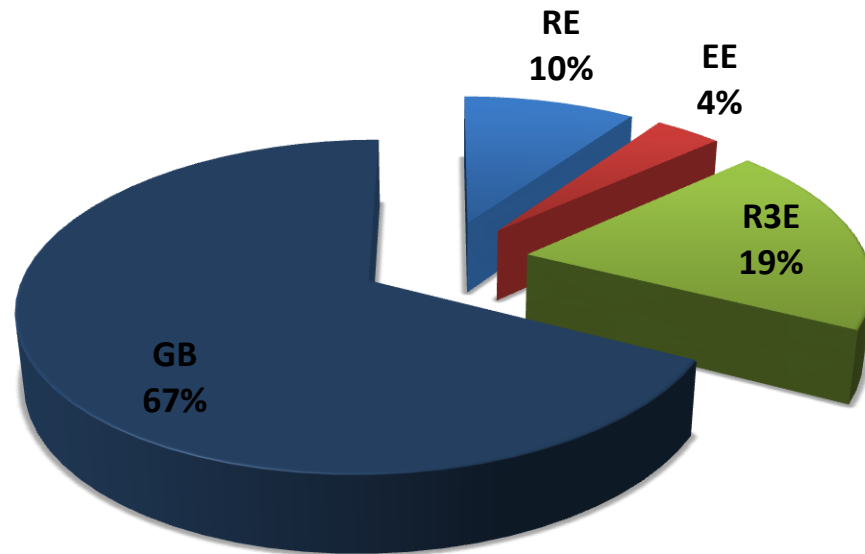
- NEEREA helped create more than **10,000** direct and indirect jobs in the sustainable energy sector in Lebanon
- The number of companies working in the field of solar water heaters rose from **25** in 2010 to more than **170** companies today.
- The number of companies working in the green energy and energy audits business rose from **4** in 2010 to more than **30** companies in 2015.
- The number of companies working in solar photovoltaic sector increased from **5** in 2010 to more than **70** companies today.

Investments Under



Distribution of Investments Under NEEREA

Loans Amount per Category



RE: Renewable Energy Projects

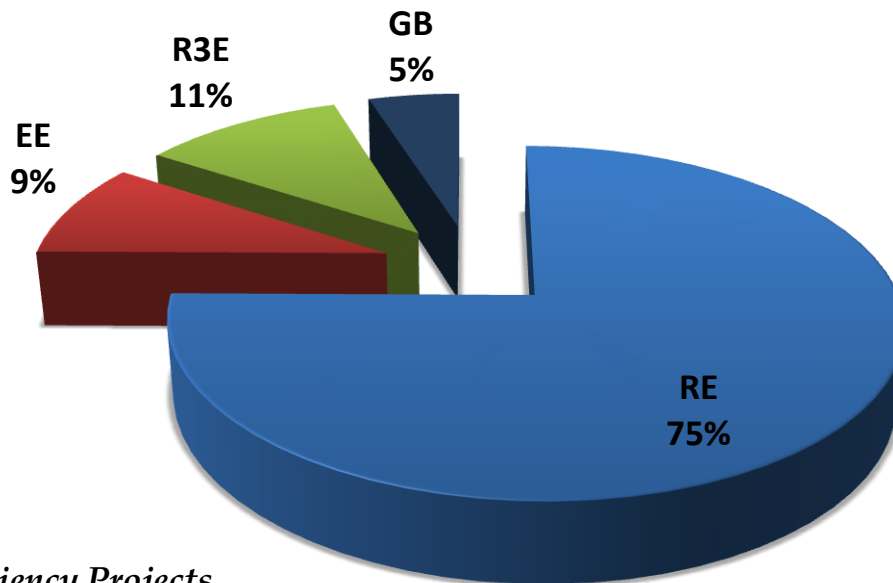
EE: Energy Efficiency Projects

R3E: Renewable Energy and Energy Efficiency Projects

GB: Green Certified Buildings Projects

Distribution of Projects Under NEEREA

Number of Projects by Category



RE: Renewable Energy Projects

EE: Energy Efficiency Projects

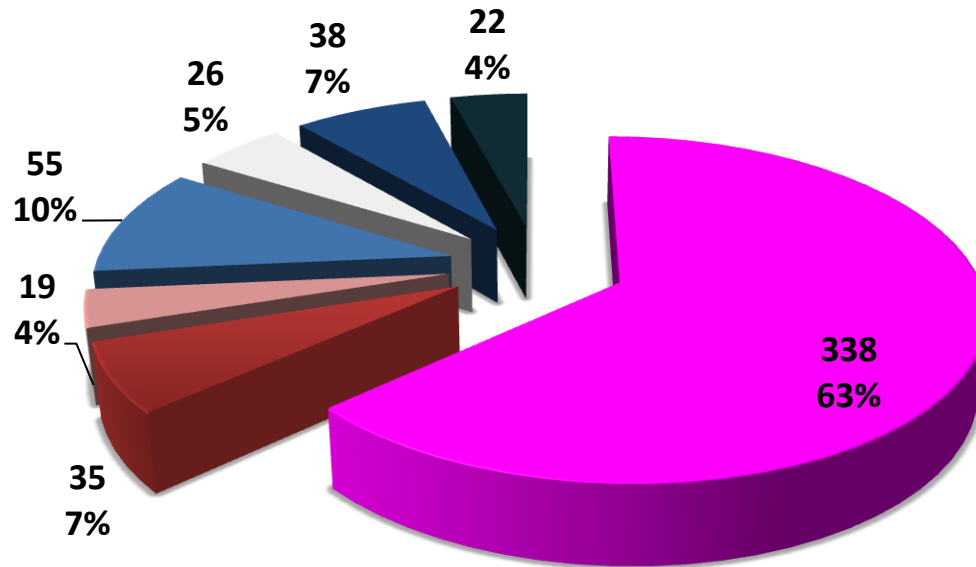
R3E: Renewable Energy and Energy Efficiency Projects

GB: Green Certified Buildings Projects

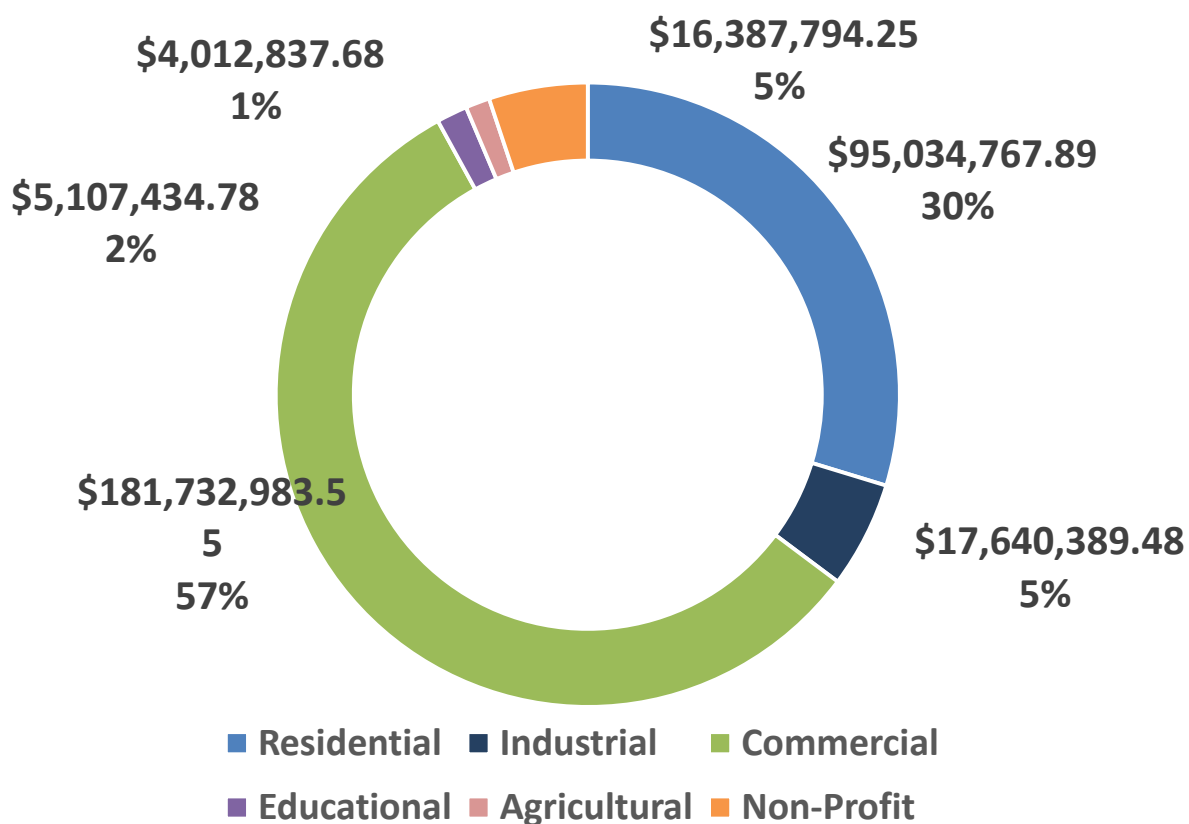
Distribution of Projects Under NEEREA

Number of Projects by Technology

■ PV
 ■ SWH
 ■ Biomass Boiler
 ■ LED
 ■ Building Envelope
 ■ Other
 ■ Green Certified Buildings

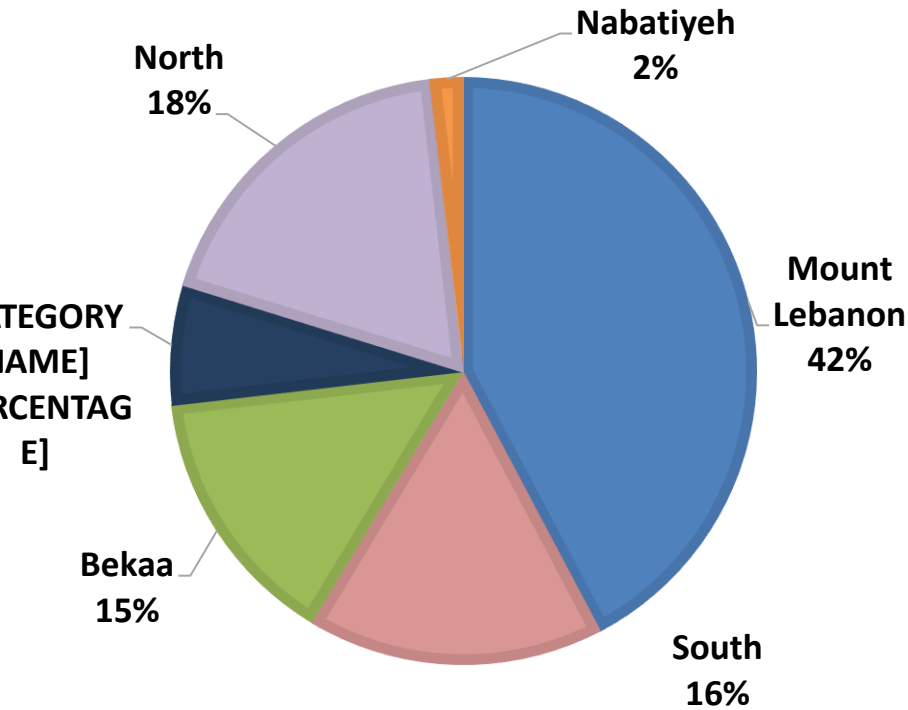


Loans Amount Distribution of Projects Per Sector

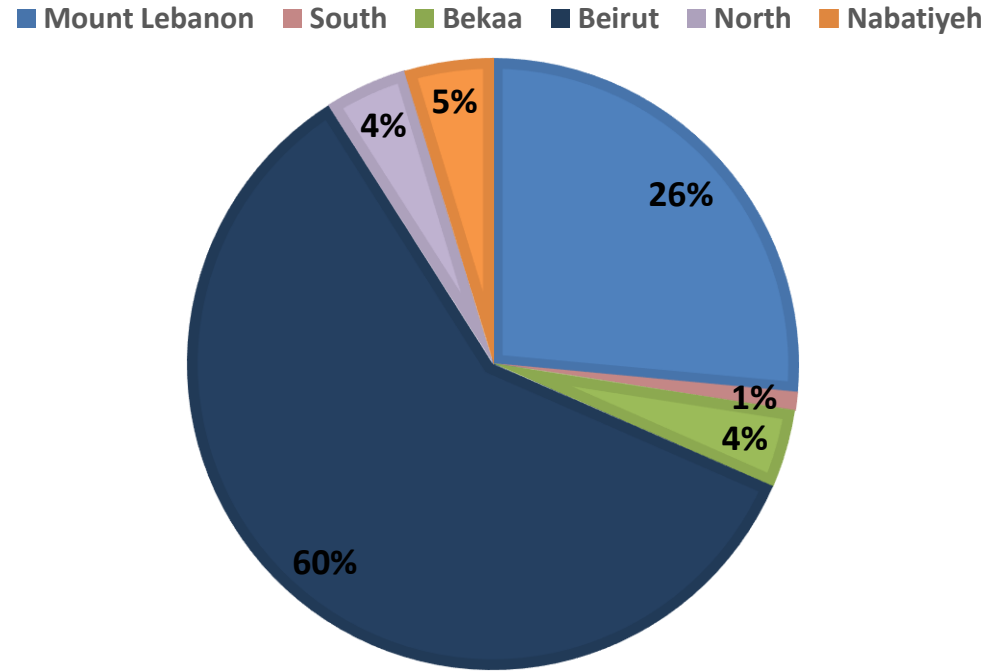


Distribution of Projects Per Governorate

NUMBER OF PROJECTS



LOAN AMOUNT



Governorate	Total Projects		Projects in Rural Areas		EE Projects in Rural areas	RE Projects in Rural areas	EE & RE Projects in Rural Areas
	No.	Cost	No.	Cost			
Beirut	29	\$186,483,974	0	\$0	0	0	0
Mount Lebanon	186	\$82,961,532	52	\$8,402,320	3	42	7
Bekaa	64	\$12,913,135	16	\$3,475,490	0	16	0
North	81	\$13,665,883	43	\$1,099,215	0	41	2
South	72	\$3,057,152	49	\$2,008,074	0	48	1
Nabatiyeh	8	\$14,573,734	5	\$269,035	0	4	1
Total	440	\$313,655,410	165	\$15,254,134	3	151	11

Financing Scheme	Cost on Beneficiary	Multiplier
EIB/AFD Energy	0% - 0.75%	150%
Energy Loans	3.75%- (50%*1Yr. Tbs)	150%
Kafalat Energy	3.5%	100%
Solar Panels Loans	0.75%	150%
Solar Energy – Rural Areas	0.75%	150%
Pollution Abatement - Industry	2 Yr. Tbs – 1% LIBOR 3mths. + 4.5%	60%
World Bank – Pollution Abatement	WB rate + BDL Comm + 3.5% Bank Spread - (100%*1Yr. Tbs)	100%
Non Subsidized – Environmental Loans	3.75%- (50%*1Yr. Tbs)	100%
Environmental Subsidized Loans	2 Yr. Tbs – 0.75%	60%



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Thank You

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