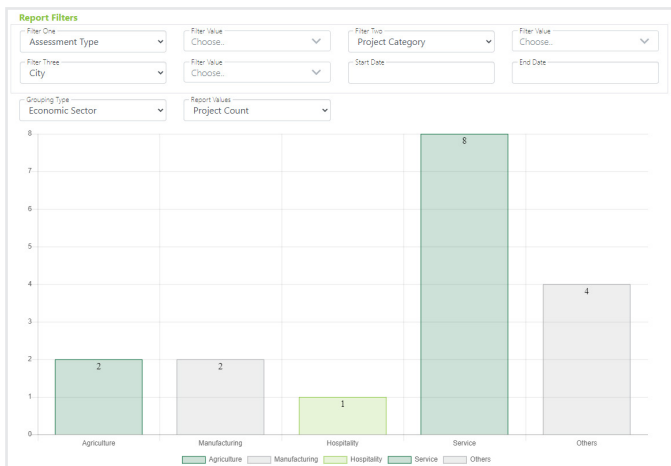




# LEBANON – PROJECT MONITORING AND REPORTING DATABASE WEB TOOL

## DIGITIZING LOAN MONITORING AND REPORTING PROCESSES OF LEBANESE

The Lebanon Energy Efficiency & Renewable Energy Finance Facility (LEEREFF) concerns a EUR 80m global loan supporting small-scale investments in energy efficiency (EE) and renewable energies (RE) by private companies in Lebanon. GFA is supporting the Lebanese central bank Banque du Liban (BDL) and local Lebanese commercial banks in the implementation of the credit line. In this frame, GFA developed a web tool database that allows for the monitoring and reporting of disbursed EE/RE loans.



## OBJECTIVES

Lebanon has an advanced banking sector but the financing of sustainable investments in terms of EE/RE remains mostly unknown territory for Lebanese banks. Consequently, the processes of evaluating sustainable energy projects and establishing related monitoring and reporting procedures also remain in a nascent state.

LEEREFF-ID	Region	Project Status	Project Category	Technology Type	Assessment Type	Verification Status	Tech. Invest 1	CAPEX (USD)	Disbursed Loan Amount (USD)	Electrical Energy Saving (kWh/year)	Thermal Energy Saving (kWh/year)	Primary Energy Saving (kWh/year)	Renewable Electrical Installed Capacity (kW)	Renewable Thermal Installed Capacity (kW)	CO2-eq Emission Reduction (tons/year)	Green Building Category
LEEREFF-1199	Beirut	Approved	RE	Multi Measure	Project Assessment	Not Verified	1617030	1617030	0	1846627	0	5281553	0	0	1440	N/A
LEEREFF-1200	Beqaa	Approved	EE	PV Solar	Project Assessment	Not Verified	446968	446968	1	464275	0	1327826	398	0	362	N/A
LEEREFF-1202	Beqaa	Approved	RE	PV Solar	LET	Not Verified	58500	58500	1	64092	0	183943	53	0	43	
LEEREFF-1212	South	Under Assessment	RE	PV Solar	LET	Not Verified	85000	85000	1	59112	0	169650	60	0	40	
LEEREFF-1213	Mount Lebanon	Under Assessment	EE	Multi Measure	Project Assessment	Not Verified	2646539	2646539	0	577000	2695000	4344000	0	0	1183	N/A
LEEREFF-1214	Beqaa	Under Assessment	RE	PV Solar	Project Assessment	Not Verified	180000	180000	0	302132	0	864099	235	0	236	N/A
LEEREFF-1215	Beqaa	Under Assessment	RE	PV Solar	Project Assessment	Not Verified	646403	646403	0	680240	0	1945485	529	0	531	N/A
LEEREFF-1216	Beqaa	Under Assessment	EE	Heat pumps	LET	Not Verified	65895	65895	52716	7638	0	21920	0	0	5	
LEEREFF-1217	Beqaa	Under Assessment	EE	Multi Measure	Project Assessment	Not Verified	251000	251000	0	217971	3792326	4376489	0	0	1267	N/A
LEEREFF-1218	Beqaa	Under Assessment	RE	PV Solar	Project Assessment	Not Verified	982613	982613	0	1502169	0	4694279	1200	0	1172	N/A
LEEREFF-1219	Mount Lebanon	Under Assessment	RE	PV Solar	LET	Not Verified	50000	50000	37321	78248	0	224573	40	0	53	
LEEREFF-1220	North	Under Assessment	RE	PV Solar	Project Assessment	Not Verified	523549	523549	0	330917	0	945423	193	0	258	N/A
LEEREFF-1222	Mount Lebanon	Under Assessment	EE	Monitoring and Control Systems	Project Assessment	Not Verified	101010	101010	0	164493	0	470449	0	0	128	N/A

Lebanon	
FINANCING INSTITUTION	EIB / AFD
PROJECT DURATION	03/2017 – 08/2020

For the sake of facilitating the loan disbursement and mitigating the above-mentioned problems, GFA developed a web tool for the project's main stakeholders such as local commercial banks, BDL and EIB/AFD. This web tool on the one hand provides an intuitive monitoring and reporting interface for the sustainable energy projects financed through LEEREFF loans. On the other hand, the web tool integrates an energy savings calculator, which automatically enumerates associated energy cost savings/generation based on the input data.

## LEEREFF PROJECT WEB TOOL

The LEEREFF project web tool allows for monitoring of both, the implementation progress of individual sub-projects as well as their technical, energy related and financial performance, but also results and impacts of the LEEREFF facility as a whole.

Furthermore, the web tool provides the relevant information for an in-depth analysis of the sustainable energy loan portfolio and offers insights into the portfolio's composition in terms of region, financial institution, project type, loan size, technologies and other relevant parameters. The web tool lists all key performance indicators to LEEREFF stakeholders and allows for the direct online approval of standard investments as well as serves as a one-stop solution for keeping track of the LEEREFF programme's progress.