

Instruction Manual- Future Energy Leaders of Lebanon (FELL-18)

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1. Introduction

The 18 Future Energy Leaders of Lebanon (FELL-18) programme of the World Energy Council (WEC) Lebanon National Committee is based on the World Energy Council's FEL-100 (Future Energy Leaders) programme and is designed to inspire, grow and develop Lebanon's energy leaders of tomorrow. FELL-18 provides a platform to build a rich professional network to interact with senior energy leaders in the country and across the world. The FELL-18 programme also connects the young energy professionals of Lebanon to a global network of future energy leaders through interaction with the WEC Council's FEL100 programme.

2. Overview

2.1. World Energy Council

The World Energy Council is the main independent network of leaders and practitioners around the globe and promotes affordable, stable and environmentally sensitive energy systems for the greatest benefit of all.

Formed in 1923, the Council is the UN-accredited global energy body, representing the entire energy spectrum, with more than 3000 member organizations and 100 Member committees from 100 countries ranging from governments, private and state corporations to academia, NGOs and energy-related stakeholders.

The World Energy Council develops global, regional and national energy strategies by hosting high-level events, publishing authoritative studies, and working through its extensive member network to facilitate the world's energy policy dialogue.

More about the World Energy Council on: <https://www.worldenergy.org/about-wec/>

2.2. FEL-100 Programme

The World Energy Council's Future Energy Leaders' Programme – the FEL-100 is a global and diverse network of young energy professionals. The programme serves as a platform for engaging a limited number of ambitious young professionals in national, regional and international activities and events. Its objective is to inspire participants to become the next generation of energy leaders capable of solving the world's most pressing challenges regarding energy and sustainability.

Through the programme, Future Energy Leaders can further their experience, knowledge and skills in an energy-focused environment and contribute to the Council's global dialogue. FEL-100 participants are provided with the unique opportunity to create their own personal networks of like-minded, equally motivated personalities today, and together become the energy leaders of tomorrow.

More about the FEL-100 Programme on: <https://www.worldenergy.org/world-energy-community/future-energy-leaders>

2.3. World Energy Council Lebanon National Committee

Lebanon joined the World Energy Council in October 2011. The WEC Lebanon Committee is hosted by the Lebanese Center for Energy Conservation (LCEC), the national energy agency for Lebanon. The WEC Lebanon Committee builds on the missions of the WEC in the Lebanese context. The mission of the WEC Lebanon Committee is to promote sustainable energy for all through an active involvement in the WEC global energy network. It strives to create a national energy society platform in Lebanon for energy experts and practitioners to meet, discuss and lobby towards the adoption of sustainable energy policies and technologies in the country.

The WEC Lebanon Committee provides the opportunity to individuals and corporate institutions to become members of this WEC Lebanon energy network. For the year 2018, the WEC Lebanon Committee had 62 members, which include but are not limited to individuals involved in the energy field, energy consultant, students, Small-to-Medium Enterprises (SME), energy companies and bank. The WEC Lebanon Committee provides many benefits to its members. Depending on the category (from Student Member to Platinum Wisdom Member), members have the priority to attend and participate to international, regional and national events, workshop and projects, as well as receive the latest news and publications about the energy sector in Lebanon.

More about the WEC Lebanon Committee on: <https://lcec.org.lb/WEC/WECLebanon>

2.4. Energy Sector in Lebanon

At the 2009 United Nations Climate Change Conference, commonly known as the Copenhagen Summit, the Lebanese Government voluntarily committed to reach 12% of renewable energy (RE) by 2020. This target was further endorsed in the "Policy Paper for the Electricity Sector", issued by the Ministry of Energy and Water on June 2010. Moreover, in September 2015, Lebanon engaged in a long-term low emission and climate-resilient strategy with the following "Intended Nationally Determined Contributions" (INDCs) to be achieved by 2030. The INDC as submitted at the COP 21 in Paris on November 2015 and commits to the below conditional targets if adequate international support is provided:

- Greenhouse Gas (GHG) Emission Reduction of 30% compared to the business-as-usual scenario;
- Renewable Energy sources contributing to 20% of the power and heat demand;
- Energy Efficiency improvements leading to 10% of reduction in power demand.

The LCEC has developed two official documents that set the road map to be followed by the country's relevant stakeholders towards reaching renewable energy and energy efficiency national targets. The National Energy Efficiency Action Plan (NEEAP) was developed in 2011 for the period 2011-2015 and in 2016. The second NEEAP was issued for the period of 2016-2020, and the third version of 2024-2030 is being prepared. The NEEAP provides in details all efforts and actions necessary in reaching energy efficiency targets in Lebanon. The National Renewable Energy Action Plan (NREAP), also developed in 2016, puts in place all initiatives and efforts in reaching the 12% of renewable energy by 2020. Lebanon is currently preparing its second National Renewable Energy Plan (NREAP 2024-2030) which shows scenarios that could go up to 40% of renewables in the electricity consumption of 2030.

With the removal of fuel subsidies and the increase in electricity tariffs in 2021-2022, the Lebanese government pushed the businesses and consumers to explore new opportunities in the green energy market. The surge in solar PV adoption has sparked a renewable energy revolution with a reported capacity growth rate of 321% in 2022 and an estimated installed Solar PV capacity of 1,500 MWp by end of 2023.

In addition, the ratification of the decentralized renewable energy law (318/2023) represented a notable advancement. This legislation streamlines regulations and guarantees grid access for decentralized systems, fostering the growth and incorporation of renewable energy initiatives. It promotes involvement from private enterprises and empowers local communities to produce and oversee their own energy, thereby diminishing dependence on the unreliable national grid.

3. Objective and Scope of FELL-18

FELL-18 adds on the positive momentum the WEC Lebanon National Committee has created on the national and global level.

The programme invites Lebanon's future energy leaders to contribute to the World Energy Council Lebanon National Committee's national energy dialogue, to support the development of balanced national policy frameworks, and to help shape energy solutions for tomorrow tailored to the national context and needs.

The FELL-18 programme builds on the creative ideas and the innovative potential of the next generation to challenge conventional thinking and explore new strategies for the future of our energy systems. It offers young professionals a unique opportunity for learning and development with exposure to critical issues in the energy debate.

The FELL-18 programme also creates a link between the Lebanon’s future energy leaders and the wider energy network: the FEL-100 Programme and the World Energy Council.

4. FELL-18 Benefits

A Future Energy Leader of Lebanon benefits from:

- Access to the World Energy Council Lebanon National Committee’s workshops, events and business to business (BtoB) meetings;
- Networking and business opportunities with the major players in the energy system at both national and global levels;
- Participation in the World Energy Council Lebanon National Committee’s training activities and getting acquainted with the latest technologies and global trends in the energy sector;
- Participation and shaping the programme of the annual exclusive International Beirut Energy Forum, which coincides this year with the World Energy Week 2020 Beirut;
- Getting connected with a global network of future energy leaders through active collaboration with the FEL-100 network;
- Potential nomination to the FEL-100 network;
- Potential participation in the World Energy Council’s triennial World Energy Congress;
- Potential participation in other World Energy Council’s regional and international events; • Potential participation in other international events, exhibitions, or study missions organized by the World Energy Council Lebanon National Committee;
- Building a professional network as well as interacting with senior energy leaders in the country and from across the world;
- Working on one of different projects and task forces identified or endorsed by the World Energy Council Lebanon National Committee;
- Access and contribution to the World Energy Council’s strategic studies and flagship reports;
- Contribution to the World Energy Council’s annual World Energy Issues Monitor;
- Development and sharing of a FELL-18 vision.

5. Eligibility Criteria

A Future Energy Leader of Lebanon should meet the following essential criteria:

- Solid interest and proven track record in energy; the CV indicates a specific achievement and the potential to become a leader in the energy sector;
- Obtained a bachelor’s degree or higher; • Minimum of 3 years full-time post-graduate and professional experience in an energy-related field;
- Highly motivated and encouraged to work with the World Energy Council Lebanon National Committee;
- Ready to show commitment to become a member of the FELL-18, remaining engaged for at least one year;

- Advanced level of English as the programme and all communications will be delivered in English;
- Not be more than 35 years old at the time of application;
- Lebanese Citizen or residing in Lebanon working in the energy sector.

6. Programme Duration and terms

The FELL-18 is a yearly programme and members can be on-board initially for one year. The programme strives for excellence, commitment and diversity. In order to guarantee the quality and continuity of the programme, every year, the opportunity to remain in the programme is offered to those able to demonstrate commitment and involvement. Every year, each member's participation is evaluated by the evaluation committee; if the participant is considered active and contributive, his/her term may be renewed for an additional year for a maximum of 3 years.

Every year, around 6 new Future Energy Leaders of Lebanon are selected in a competitive process to join the FELL-18 programme and become members of this exclusive network.

At the end of their tenure, programme participants will receive a certificate and will join the FELL-18 Alumni to remain part of the World Energy Council Lebanon National Committee's network.

More information about the evaluation committee in section 8

7. Minimum Criteria

To remain in the FELL-18 programme each participant has to at least:

- Complete the annual Issues Monitor;
- Be an active member of one of the task forces and projects identified or endorsed by the World Energy Council Lebanon National Committee, including participation in meetings/calls, contribution to project plans, and contribution to deliverables;
- If possible, participate in one of the FELL-18 own events;
- Disseminate outcomes of events delegated by the WEC Lebanon Committee.

If the above criteria are not fulfilled a programme participant can only remain a FELL-18 under special circumstances and with the approval of the evaluation committee.

8. Structure and Governance of FELL-18

The FELL-18 board is composed of 5 FELL-18 members. The board members are:

8.1. FELL-18 Chair- *Elected internally between FELL-18 members;*

The role of the chairperson is to represent the programme and coordinate its activities. His/her responsibilities include to act as a spokesperson and represent the FELL-18 community, to take responsibilities and coordinate the work of the FELL-18 board, and to facilitate governance and meetings.

The FELL-18 Chair speaks for and represents the FELL-18 community. In case of conflicting commitments (professional, personal), the FELL-18 Chair may delegate its responsibilities to another FELL-18 board member with the consent of the World Energy Council Lebanon National Committee to represent the FELL-18 community at a particular event or meeting.

8.2. FELL-18 Secretary- Chosen by the WEC Lebanon National Committee;

The Secretary is responsible for monitoring the execution of activities and for assisting the FELL-18 community in general and the FELL-18 board in particular. His/her responsibilities include to oversee the execution of activities approved by the FELL-18 board and assist and coordinate the work of the FELL-18 board and the FELL-18 when appropriate, to report progress to the World Energy Council Lebanon National Committee, and in general to ensure a smooth communication between World Energy Council Lebanon National Committee, the board and the members.

The FEL Secretary represents the FELL-18 community when reporting progress to the World Energy Council Lebanon National Committee. He/she commits to work closely with the World Energy Council Lebanon National Committee to ensure the necessary links are made.

8.3. Taskforce Leaders (3 in total) - Elected internally between FELL-18 members;

The role of the taskforce leaders is to communicate team status and task accomplishments with the board. The taskforce leader should coordinate team logistics, provide team leadership, set milestones for projects and provide guidance to members as needed to accomplish projects.

Their responsibilities include but are not limited to the following:

- Assisting in the creation and development of FELL-18 projects and remaining in contact with World Energy Council Lebanon National Committee;
- Making sure that reports developed by the FELL-18 community feed into the World Energy Council Lebanon National Committee's work and aspire a high level of quality and diversity;
- Ensuring that reports developed by the FELL-18 community follow the designed sign off process;
- Making sure that the work is completed on time and meets the expectations of the World Energy Council Lebanon National Committee;
- Work to enhance the visibility of the FELL-18 programme;
- Interact with the World Energy Council Lebanon National Committee to ensure the FELL-18 projects and activities are well communicated;
- Lead the development and organization of FELL-18 events' programmes;
- Look for sponsorship and partnership opportunities.

When a FELL-18 report is concluded it is proofread by the members of the FELL-18 board;

- The report and its executive summary are sent in PDF and Word formats to the World Energy Council Lebanon National Committee member responsible for the programme.
- FELL-18 work is reviewed by the World Energy Council Lebanon National Committee member responsible for the programme, who will provide feedback and advice with regards to publication.
- Once the report has been approved for publication by the World Energy Council Lebanon National Committee, it is launched on the World Energy Council Lebanon National Committee's website, shared with the global network and promoted by the communications team.

Comments from the World Energy Council Lebanon National Committee need to be integrated between each step of the sign off process.

8.4. The Evaluation Committee

The Evaluation Committee is composed of the FELL-18 Chair, FELL-18 Secretary, World Energy Council Lebanon National Committee Secretary, a FEL-100 Lebanon member, and a World Energy Council Lebanon National Committee member selected each year by the World Energy Council Lebanon National Committee.

The Evaluation Committee ensures the quality of the programme by selecting and inviting the most appropriate participants to join the programme, and facilitating their active involvement.

Its main tasks include but are not limited to the following:

- Monitor the level of activity of existing programme participants in accordance with the minimum engagement criteria and the evaluation criteria,
- Evaluate and determine which of the participants meet the minimum engagement criteria or have the highest evaluation scores and can chose to remain in the programme,
- Review applications and select new programme participants,
- Organize and coordinate the process to deliver certificates to the FELL-18 at the end of their term,
- Manage the nomination process of the FELL-18 Board and Chair.

The Evaluation Committee strives to select and nominate the best candidates and strictly consider the quality and diversity of the programme when doing so.

9. Taskforces

Each FELL-18 member needs to be active in one of the below three taskforces.

9.1. Trilemma taskforce

This taskforce will work on the three goals of the energy sustainability, the World Energy Council's Trilemma: energy security, energy equity, and environmental sustainability. It will include projects related

to climate change, de-carbonization, energy efficiency, renewable energy, energy economics, access to energy and energy security and decentralization. It will also assist the World Energy Council Lebanon National Committee in the development of the Trilemma Index for Lebanon.

9.2. Human Capital taskforce

This taskforce will work on the assessment of existing competences in the energy sector in Lebanon and on the identification of needed competences. Its aim is to develop training material, and to conduct trainings on different hot topics in the energy sector, using different channels or tools. It will also assist the World Energy Council Lebanon National Committee in the development of a national World Energy Academy for Lebanon.

9.3. Digitalization/Future Infrastructure taskforce

This taskforce will work on the identification of future infrastructure, including projects on digitalization, scenarios, Information and Communications Technology (ICT), Internet of Things (IoT), infrastructure, new technologies, smart grids... and their applications to Lebanon. It will also assist the World Energy Council Lebanon National Committee in the development of a national scenario for the energy sector in Lebanon (visionario) for 2060.

10. FELL-18 Project Topics

FELL-18 members have the flexibility to choose the type of project to work on within the assigned taskforces. Projects could be feasibility and market studies, trainings or workshops, project execution, policy development, etc. FELL-18 participants also have the flexibility to choose topics of interest. However, project topics should be in line with World Energy Council's and World Energy Council Lebanon National Committee's scope of work and objectives. The selection of topics will be based on ballot voting and the final approval will be issued by the World Energy Council Lebanon National Committee.

FELL-18 members should not disclose project outputs with any third party prior the official launching/publication by the FELL-18 Programme and the World Energy Council Lebanon National Committee.

11. FELL-18 Social Media

Members are requested to maintain an active social media involvement, and specifically on X, Facebook and LinkedIn. FELL-18 news and activities will be shared on the WEC Lebanon National Committee social media platforms: X, Facebook and LinkedIn. The social media involvement of each member will be part of the participation evaluation by the evaluation committee.

11.1. X

This platform is used to help encourage dialogue around critical issues on the FELL-18 agenda, share updates, exciting news or programme developments, provide a platform to express opinions as well as raise the profile and visibility of the FELL-18 Community. All FELL-18 are encouraged to start using X to help shape the FELL-18 voice.

- If you do not have an X account, you can visit <https://x.com/> and open a personal account.
- Once you have signed up, you may want to consider following the X handle listed below:
 - o @WEC_LEBANON – World Energy Council Lebanon National Committee Official Channel
 - o @WECFELS – World Energy Council Future Energy Leaders Programme Channel
 - o @WECouncil – World Energy Council Official Channel;
- We encourage you to use the hashtag: #FELL18 to let your network know about your participation in FELL-18 and to post topical energy issues. You can use the same hashtag in all other social 10 media channels (e.g. Instagram, Facebook, LinkedIn). We also encourage you to share what you are doing as a FELL-18 with your company and network;
- As the FELL-18 Programme develops, we will share exciting news and updates with you on the @WEC_LEBANON #FELL18 X feed. To help generate exposure for the programme, we encourage you to “repost” the feeds;
- FELL-18 task forces are also encouraged to post around their specific topics.

11.2. LinkedIn

Follow the FELL-18 page on LinkedIn on <https://www.linkedin.com/company/fell18/posts/?feedView=all>

You can also follow the World Energy Council company page on <https://www.linkedin.com/company/world-energy-council>.

We encourage you to consider the following LinkedIn Posts:

From organization page:

‘Fantastic to see (INSERT EMPLOYEE NAME) selected as a Future Energy Leader of Lebanon by the World Energy Council Lebanon National Committee (#FELL18). A great step towards challenging the conventional thinking and exploring new strategies to shape the energy solutions of tomorrow in Lebanon.’

From personal page:

Delighted to be selected within the 2024 Future Energy Leader of Lebanon by the World Energy Council Lebanon National Committee (#FELL18). A great step towards challenging the conventional thinking and exploring new strategies to shape the energy solutions of tomorrow in Lebanon.’

11.3. WhatsApp

This messenger service is used among the participants for matters that require quick replies or when communicating and exchanging brief information. For that matter, a group chat will be created for current participants.

While using the WhatsApp group, please follow the below rules:

1. Don't have long one-to-one chats, take them to a personal chat instead;
2. Answer people's questions and contribute to enriching the conversations;
3. Don't send long videos, photos, unsolicited daily information of your personal life, or memes;
4. Keep it civil;
5. Don't work out the logistics of a meeting or event if not everyone in the group chat is attending, create event-related groups instead;
6. Always make sure you're in the right chat;
7. Don't screenshot the chat; information shared within the group should remain there;
8. Use the reply function so your replies don't get lost in a big chat. To use it, just swipe right on the message you want to reply to, and start typing;
9. Don't send a lot of one-line messages when one longer one will suffice, it can get overwhelming with the new message notifications;
10. Use the mute function if you need some space;
11. Don't overshare. Some things are better said in person, in emails, or on a phone call.

11.4. Facebook

We encourage you to consider following the Facebook page of the World Energy Council Lebanon National Committee and to use the #FELL18 hashtag.
<https://www.facebook.com/WECLebanonNationalCommittee>

11.5. Website

World Energy Council Lebanon National Committee website (<http://lcec.org.lb/en/WEC/AboutUs>) for understanding the national activities, network, events and members.

World Energy Council website (<http://www.worldenergy.org/>): For understanding the global network, accessing publications, key databases and interactive tools or more news about events.

11.6. Youtube

Lebanese Center for Energy Conservation (LCEC) YouTube channel (<https://www.youtube.com/user/LCECLebanon>): To watch the latest videos related to the World Energy Council Lebanon National Committee.

World Energy Council YouTube channel (www.youtube.com/user/worldenergycouncil): To watch latest sessions from the Congress and more.

11.7. Microsoft Teams

Given the diversity of the FELL-18 community and the fact that not all members will be able to join in person, meetings will be shared via Microsoft Teams. All FELL-18 members are invited to download Microsoft Teams. Meeting invitations will include specific links to join the meeting.