ROUNDTABLE
FOR EUROPE'S ENERGY FUTURE

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APPENDIX to the REEF action plan *Recovery through an accelerated Green Deal*

Specific recommendations from the Roundtable for Europe's Energy Future (REEF) for the *EU Recovery plan*

	FOCUS	ACTION	TIMEFRAME
1	**Putting people first**	To reduce the human impact of the crisis, REEF proposes the following initiatives that protect people and create jobs through the energy system and supply chain. a) Develop a **Crisis Assist Toolkit** leveraging AI and new digital tools suited to remote working, crisis management (for employees, suppliers and other stakeholders). b) Set up a **European study** of the most critical links in the **supply chain** for critical electricity infrastructure in crises situations and short circuits favorable to employment.	SHORT TERM
2	**Working better together through resilience planning**	**REEF members pursue activities** to stimulate jobs and growth, and will gladly provide timely market, technology and policy inputs and analysis. REEF offers to advise and support the European Commission on **collaboration in the area of resilience planning at corporate and system level.** Preliminary deliverables could include: a) **Exchange knowledge** and lessons learnt from the current crisis. b) Develop principles for harnessing the **interdependence** of the EU electricity grid to ensure resilience. c) Propose a '**renewables to hydrogen' strategy** to illustrate how to leverage technology competence to build a cleaner and more secure energy system for Europe. d) Establish Green Deal industry **workshops with Chinese and US companies** to stimulate innovative approaches and global impact on climate change mitigation. e) Promote **research, innovation** and deployment projects leveraging critical renewable energy technologies and exponential technologies (e.g. AI, Blockchain, Cloud) for a more sustainable society. Key focus on green technologies, interoperability and standards.	SHORT TERM
3	**Implementing Green Deal infrastructure investment plans**	To strengthen and diversify the energy system, we ask the European Commission to accelerate EU regulation and licensing by scaling up the Projects of Common European Interest (PCI). This will also strengthen Europe's industrial competitiveness in critical energy system technologies (e.g. digital tools/captors, HVDC, offshore technologies, energy efficiency, eco-conception, green hydrogen, etc.)**.** Accordingly, the following projects should be prioritized for funding under the EU Recovery Plan in efficient European markets: **a) Hybrid Offshore Projects.** **b)** Pilot projects **to test interoperability of HVDC technologies**.	MIDTERM

		c) Establish European standards for grid digitalization that enable interoperability of High-Voltage-Direct-Current (HVDC) technologies. **d)** Pilot projects for **large scale power to gas**: hydrogen electrolysers and converting current gas pipelines to hydrogen-pipelines, hydrogen distribution and refueling infrastructure as well as applications for heavy-duty trucks and -ships. **e) EV charging infrastructure** and other sustainable mobility projects. **f) Green growth and eco-friendly technologies** for critical infrastructure and digital solutions.	
4	**Electrification and efficiency through integrating markets and systems**	To accelerate the energy transition, we need to actively promote and support renewable energy, notably through clean and smart electrification. We thus ask the European Commission to set up an EU tendering process for the funding of pilot projects related to large-scale smart system integration including: a) **Mobility systems**: charging stations for electrical vehicles and hydrogen filling stations, heavy transport, with the possibility to provide flexibility to the grid (Vehicle2Grid). b) **City systems:** provide energy efficiency through building insulation, electrification of heating and cooling, enable interconnected heat-storage and automation with smart meters connected to data hubs. c) **Industry systems**: incentivize energy efficiency and low carbon manufacturing for hard-to-abide industry sectors, starting with electricity-intensive industries such as cement. d) **Energy systems**: e.g. electricity grid integration with focus on capacity, reliability and efficiency.	SHORT TERM
5	**Enabling the integration of large-scale renewable energy**	We also advise the European Commission to propose an **Open Method of Coordination (OMC) process** to the Council of Ministers to identify best projects for large scale digital platforms that can facilitate implementation of the European Green Deal in order to further scale up European smart system integration. We propose the following elements: a) **Grid flexibility** - market-based flexibility for integrating variable renewables. b) **EV flexibility Platforms** – Introduction of a European standard to integrate flexibility from mobile (electrical vehicles and ships) and stationary equipment (electrical storage, heat pumps) into the electricity markets to aid smart sector integration and help decarbonize the transport and heating sectors. c) **Crowd balancing platforms** - connecting European households and electric vehicles to offer grid flexibility d) **Data aggregation and open data platforms** for a low carbon system, to aggregate real-life data on production and consumption.	IMMEDIATE

| 6 | Europe must be a driving force in the development of green technologies | Focusing on green technology, interoperability, standards and scale to help optimize the energy system will require increased data access and transparency whilst ensuring appropriate security and data protection measures. It is especially important that we protect and maintain **vulnerable physical and virtual systems (IT/OT/CT),** post-pandemic as we have done so far. In this regard, the European Commission should support digital and security investments in electricity grids:

a) Consider a **European Call for Code** - for Climate & Resilience.
b) Consider leveraging **open source collaborations** to foster innovation and meet the challenges of the energy transition.
c) Enhance availability and transparency of energy data across Europe. | SHORT TERM |