Enabling a Sustainable Future
Solar PV and job creation along the value chain

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An energy sector transformation led by solar PV

Share of renewables in electricity generation

- Solar PV is estimated to supply 13% of total electricity demand in 2030, up from 1.7% in 2017
Solar PV will be attracting highest investment

Cumulative clean energy investments 2019-2030 under the Transforming Energy Scenario

- USD 318 billion of average annual investment to be directed towards Solar PV between 2019-2030
Solar technologies create the highest number of jobs, further contributing to GDP and welfare gains

- Renewable energy jobs would more than double by 2030 under TES – Solar PV jobs reaching 11.7 million
- Global GDP and welfare gains would be boosted by 2.0% and 6.9% respectively compared to BAU
Solar PV jobs today

- Solar PV employment increased by 4% to reach 3.8 million jobs in 2019.

Source: IRENA jobs database.
Opportunities across the Solar PV value chain

- Solar PV offers particularly high employment perspectives including for a wide range of experiences and backgrounds.
A holistic policy approach is crucial

• Investing in clean energy infrastructure is critical, as is investing in people and institutions to support the transition

• Successful stimulus and recovery packages call for policy cohesion and increased international co-operation
Renewables are at the heart of the 2030 Agenda for Sustainable Development and must be a key priority in our post-COVID recovery

Short-term actions for a long-term resilient and sustainable economy:

• Ensure post-COVID stimulus supports a green recovery and mobilises investment in the energy transition
• Safeguard existing renewable energy projects
• Raise ambition for renewable energy by frontloading targets
• Strengthen social and labour policies
• Leverage local capabilities
• Support vulnerable energy consumers and enterprises
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