

 국토교통부		<h1>Press Release</h1>		 대한민국 대전환 한국판뉴딜	
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Reducing carbon footprint with Solar Railroad

- Signed MOU on Solar Railroad project on March 24,
will lead carbon neutrality and Green New Deal -

- The Ministry of Land, Infrastructure and Transport (MOLIT)** announced that it will actively promote the **Green New Deal using railway resources**. In order for the government to **achieve carbon neutrality in 2050 (Carbon Neutral 2050)**, the **MOLIT** plans to **induce the growth engine of railway in the future** through a **Green New Deal project** which **expands renewable energy business** and realizes **low-carbon and eco-friendly railway**.
- On March 24 (Wed.), **MOLIT**(Minister: Byeon Chang-heum), **the Seoul Metropolitan Government**(SMG, Acting Mayor: Seo Jeong-hyup), and **Korea Railroad Corporation** (CEO: Son Byeong-seok) entered into a **memorandum of understanding (MOU)** at the **Seoul City Hall** for the **“Solar Railroad Green New Deal Cooperation”** project to build **solar power generation facilities using railway infrastructure**.
- Attending the agreement ceremony, the **MOLIT Vice Minister for Transport Son Myuong-soo**, **Acting Mayor Seo Jeong-hyup** and **CEO Son Byeong-seok** signed the agreement and discussed **plans to strengthen cooperation** for the solar power generation project.
- This **cooperation** project holds significance as **Korea’s first cooperative solar power Green New Deal model** promoted through cooperation among the **central government, local government, and public organization**.
- Through this agreement, installation of a solar power generation facility to a total **scale of 25 MW** will be **jointly promoted by the end of 2022—(a)**

19.8 MW on a rail yard and a station parking lot and (b) 5.2 MW of solar power landmark on train stations, such as Seoul Station.

- The project will be generating approximately **32 million KWh** of power, which is enough to cover the power required at **10,000 households per year**. This is expected to give **greenhouse gas reduction effect** equivalent to planting **approximately 2.2 million of 30-year-old pine trees**.

<Examples of Solar Railroad Green New Deal Cooperation Project>



<Solar Power Generation Complex at Rail Yard (Example)>



<Solar Power Facility on Imjingak Bridge near Dorasan Station>

- **Starting with this cooperation project**, the MOLIT and Korea Railroad Corporation will continue to **expand cooperation with other organizations** such as local governments and power companies and **increase the scale of railway solar power generation up to 456 MW* by 2030**.

* Exceeding power generation capacity of Seocheon Thermal Power Plant (anthracite) (400 MW)

- In addition, the two organizations **plan to preferentially use the electricity generated by railway solar power facilities** for the purpose of **improving convenience of station users**, such as using the electricity to supply power to station buildings and distribute **electric vehicle chargers** at the station parking lots.
- **MOLIT Vice Minister Son** said, “**Making preparations for the post-COVID-19 era**, railway will evolve from its traditional role as an **eco-friendly transportation means to a space where eco-friendly energy is produced**. It is expected to serve as the motivation for achieving the goal of **Carbon Neutral 2050 in transportation field**.”
- **Korea Railroad Corporation CEO Son** also said, “**We will actively promote the railway Green New Deal and contribute to carbon neutralization so**

that **railway infrastructure** across the country is reborn as **solar power plants** that generate eco-friendly energy.”

- * National greenhouse gas emissions (730 million tons, 2018): 100 million tons from transportation industry (13.5%), 20 million tons from agricultural industry (2.9%), 290 million tons from energy industry (39.5%), and 190 million tons from manufacturing and construction industries (25.6%).



For further details or coverage in relation to this press release, please contact Deputy Director [Koh Seong-woo](#) (+82-44-201-4636) at Railway Operation Division of the Ministry of Land, Infrastructure and Transport.

