



## **The World Winter Cities Association for Mayors**

# **Progress on Inje-gun's Environmental Action Goals**

Efforts to Transition to Renewable Energy and Reduce Air Pollution

# Renewable Energy Generation Projects

## Status of Renewable Energy Generation Facilities

- ▶ Wind Power Facilities: 7 units, 6 MW (6 units at 750 kW, 1 unit at 1,500 kW)
- ▶ Hydropower Facilities: 2 units, 0.2 MW
- ▶ Solar Power Facilities: 119 MW (including residential, public, and commercial use)

## Goals for 2025

- ▶ Achieve a total renewable energy generation of 250,000 MWh
- ▶ Attain a renewable energy independence rate of 75%

## 2024 Performance (as of October)

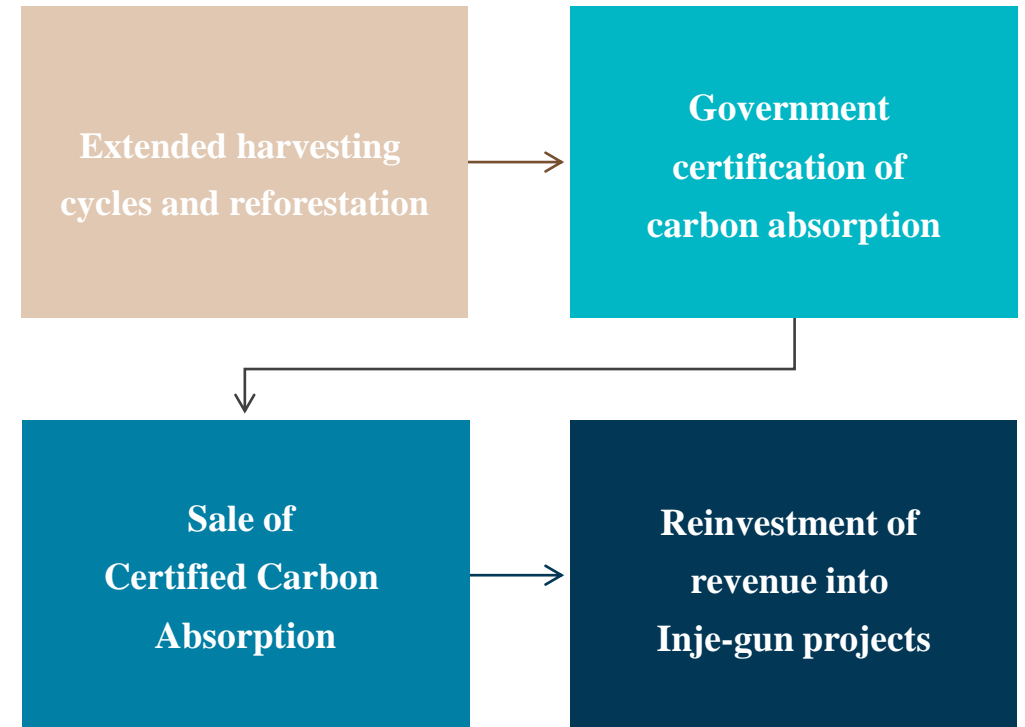
- ▶ Total Renewable Energy Generation: 238,358 MWh
  - Wind Power Generation: 34,080MWh
  - Solar Power Generation: 186,578MWh  
(63,933 MWh for residential and public use; 122,645 MWh for commercial use)
  - Hydropower Generation: 17,700MWh
- ▶ Renewable Energy Independence Rate: 71.58%
- ▶ Renewable Energy Support Program for Homes and Buildings
  - Supported the installation of solar power at 67 locations and geothermal systems at 58 locations

# Air Pollution Reduction Projects

	Support Program for Early Retirement of Aging Diesel Vehicles	Electric Vehicle Support Program
Project Details	Provided support for the early retirement of diesel vehicles and construction machinery with emissions grades 4 and 5	Offered subsidies to residents, businesses, and corporations for purchasing electric vehicles, hydrogen electric vehicles, and electric motorcycles
Goals for 2025	Target: 280 vehicles	Target: 80 vehicles
2024 Performance (as of October)	194 vehicles, KRW 453 million (Grade 4: 111 vehicles, Grade 5: 83 Vehicles)	60 vehicles, KRW 460 million (Passenger vehicles: 52 unites, Commercial vehicles: 8 units)

# Forest Carbon Offset Project

- ▶ **Inje-gun implements initiatives to preserve and enhance forests as carbon sinks. Government-certified carbon absorption generates revenue from carbon credit sales, which is reinvested in forest creation and other county-led projects.**
- ▶ **Goals for 2025**
  - Planning to certify a carbon absorption of 4,700 tCO<sub>2</sub> in a 59-hectare area in Jindong-ri, Girin-myeon
  - Aiming to sell over 4,000 tCO<sub>2</sub> ⇒ Generating revenue of KRW 66 million
- ▶ **2024 Performance** (as of October)
  - Certified 1,517 tCO<sub>2</sub> of carbon absorption for 59 hectares area in Jindong-ri, Girin-myeon
  - Sold 3,078 tCO<sub>2</sub> of carbon credits, generating KRW 51 million in revenue



※ Note) Extended Harvesting Cycle: Extending the harvest period for mature timber to preserve forest ecosystems, support biodiversity, and contribute to carbon neutrality.





Thank you.