Session 3: Innovative Solutions for Low Carbon Cities(mobility and infrastructure)

Electric Mobility Policy in Jeju (Electric Vehicle & Charging Infrastructure)

Sanghoon Son, Ph.D

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Jeju, South Korea













As of 2021. 8. 31

Total Vehicles 399,054



4



Passenger car 68%



Public Fleet 2%

EV Taxi 3%





Public Bus 1%

Photo credit: 경향신문, 제주특별자치도, 뉴스원, 중앙일보



EV Rentcar 11%



EV Truck 15%

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Linking with energy and environment plans

Carbon-free Island Jeju by 2030 plan (CFI plan)



Produce 100% of the required electricity on Jeju island as renewable energy

Replace 100% of the vehicles with BEVs in Jeju by 2030

Innovation 1: BEV User Survey



Innovation 2: BEV Call Center



BEV Call Center

assisting electric vehicle users or electric rental car users by answering their quires or responding to their requests since 2015

60 calls/day in 2019.5 EV users 48.7% EV rent car users 43.0%

Innovation 3: Public BEV Safety Education



EV Chargers in operation in Jeju





EV Chargers in operation in Jeju

In 2019, 17.5 EV/Level 3 charger (public)



Innovation 4: Charging Queue Management



Reference: 2020 Jeju EV user survey

Innovation 5: Upgrade Existing Chargers

Special Regulation-Free Zone for EV Charging service



Innovation 6: Mobile Chargers

Special Regulation-Free Zone for EV Charging service



Innovation 7: Charger Sharing

Special Regulation-Free Zone for EV Charging service



Innovation 8: Energy Hub



Innovation 9: Monitoring Electricity Consumption





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