

- The elements required for a decarbonized regional transportation model are not just vehicles with zero emissions, but also have multi-layered significance, including ①driving demand for renewable energy (DR), ②functioning as part of the regional energy infrastructure (VPP), ③practicing the sharing economy, and ④improving resilience.

Concept of a decarbonized regional transportation model

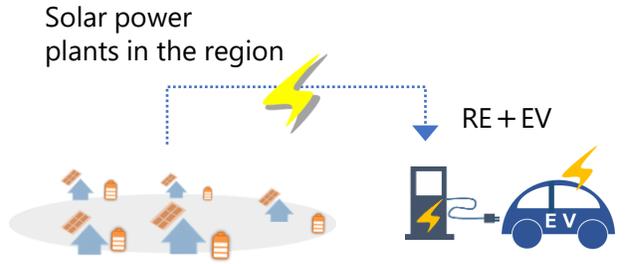
Regional Significance

Shift to EV
(Switching to low emission vehicles)




① Demand rise for RE

Solar power plants in the region



RE + EV

② Stabilization of the supply-demand balance in the region

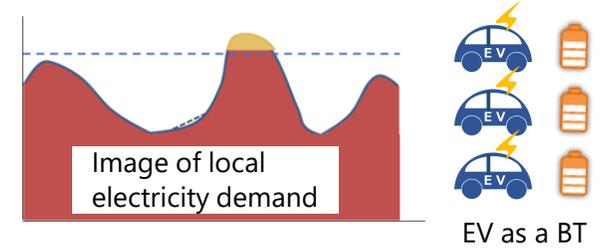
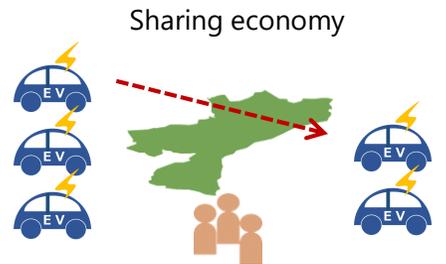


Image of local electricity demand

EV as a BT

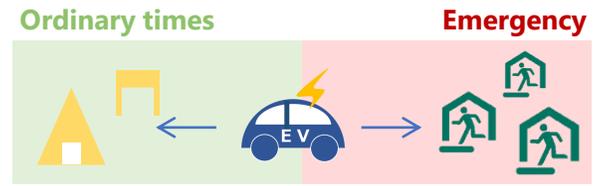
③ Sustainable lifestyles

Sharing economy



④ Benefits to the Region

Ordinary times Emergency



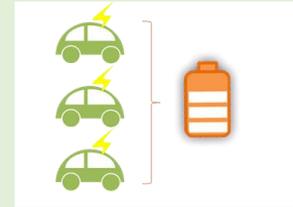
Carrying and supplying electricity

2. Regional Energy Management Project utilizing sharing EVs

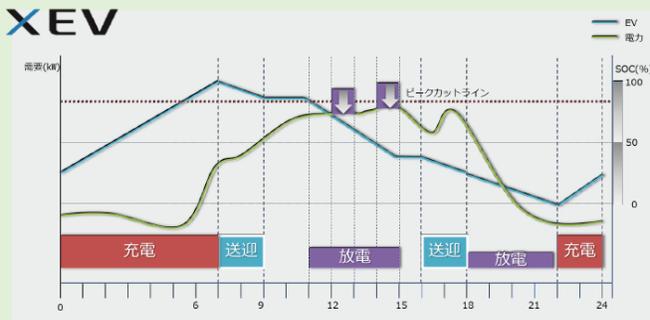
- Sharing EVs are used not only as vehicles but also as "moving storage batteries" as part of the regional energy infrastructure.
- The service began in June 2020 and currently has 38 EVs and 20 stations in the city.

① EVs as Mobility

- New option of transportation
- EV shift
- Optimization of the number of vehicles

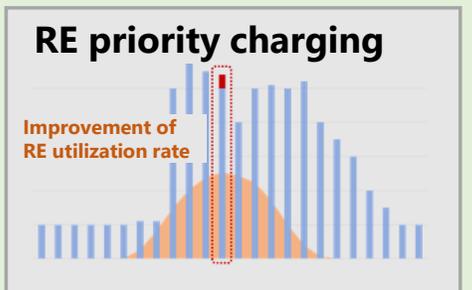
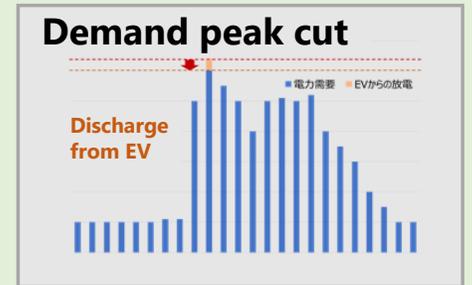
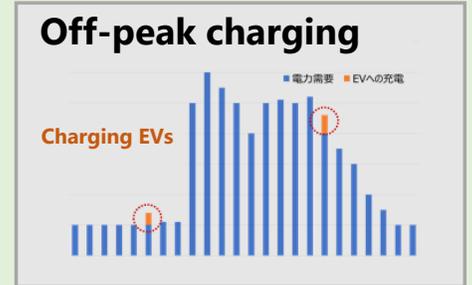


REXEV



② EVs as Batteries

- RE priority charging
- Demand peak cut
- Off-peak charging



3. Development of initiatives and expansion of Public-Private Partnerships

- Expanding efforts through MaaS collaboration, use as a power source at events, and in connection with new trends such as "Migrating to local area" and "Workation".
- Through the creation of city-led open innovation opportunities, we will seek to create new value and expand PPP.

● Demand rise for RE



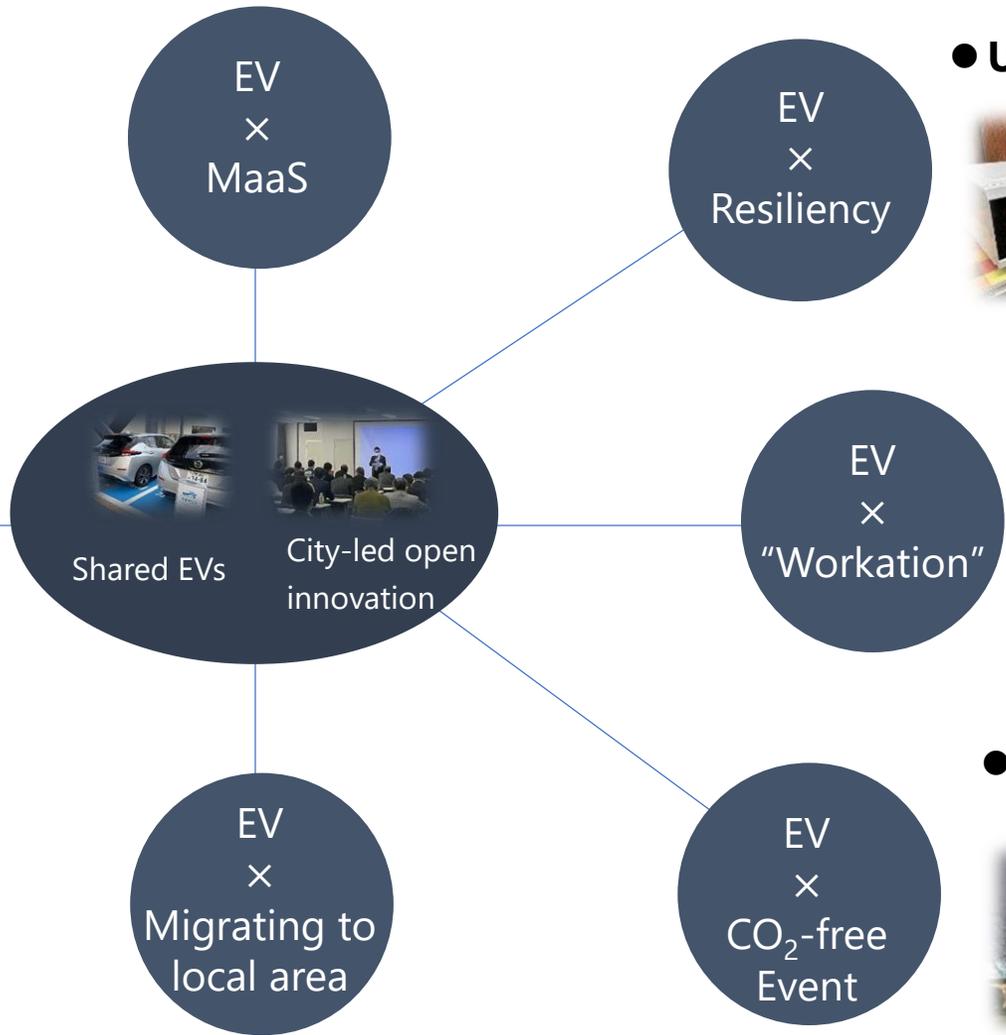
Shonan Electric Power supplies CO2-free power at some stations

● VPP utilization of EVs



Simultaneous discharge from EVs during power shortages

● EV utilization in regional microgrid



● Use of EVs during disasters



● Use as a power source in workcations



● Use as power source at events, etc.

