小田原市

Vision of Odawara City

Sustainable city utilizing local renewable energy

Pursuing efforts to achieve virtually zero CO_2 emissions in 2050

Handing over the rich natural environment to the next generation

Odawara City

Population: Approximately 190,000
Area: 113.81km^2

小田原市

Regional energy business → **Electricity business**

① **Establishment of local energy company**

Council for renewable energy commercialization (Odawara city)

| Citizen | Regional financial institutions | ... |
| Chamber of commerce | Energy company | |

ECHO 小田原箱根 エネルギーコンソーシアム
ENERGY CONSORTIUM OF HAKONE ODAWARA

ほうとくエネルギー株式会社

"**Houtoku Energy Co., Ltd.**" was established with investment from business entities in the city.

Electricity sales →

Mega solar business was implemented using community fund method.

Electricity sales →

② **Construction of supply system of local energy**
（**Energy Consortium**）

Other power sources

↓ **Electricity sales**

"**Shonan Power CO.,Ltd**"

湘南電力

Supply → **Mainly consumers in the city**

↕ **Agency contract**

Businesses located in the city

Surrogate sales →

3．Dual use of EV（Share car/Battery）

100 EVs as a share car

- Useful transportation for the area
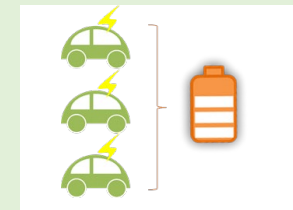- Shift to EV
- Optimizing the number of vehicles
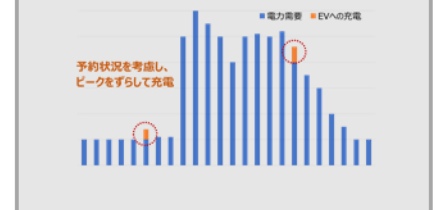
Car sharing in the area

100 EVs as a storage battery

- Cut the peak of electricity demand
- Used as an emergency power source
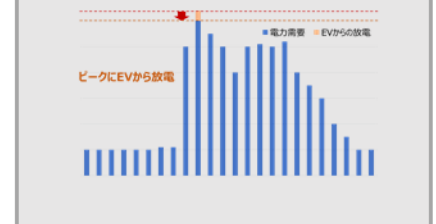- Area "flexibility" of power systems

Charge / discharge from EV
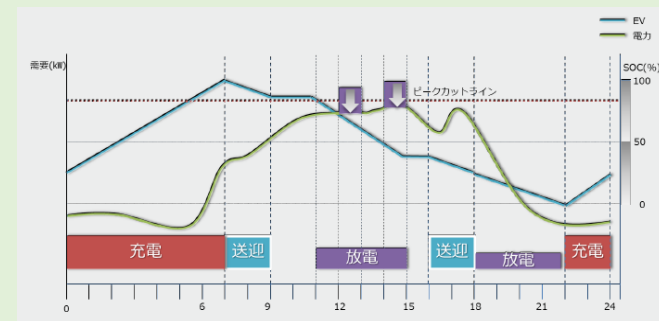
Off-peak charging

Peak cut

小田原市

REXEV

Car sharing and energy management company

- ✓ Regional energy management using EV
- ✓ Contribution to regional self-sufficiency by utilizing environmental value

eemo

小田原市

Odawara City

- ✓ Conclusion of agreement
- ✓ Provision of demonstration fields
- ✓ Transmission of business results
- ✓ Establishment of meeting

public-private partnership

湘南電力

Local retail electricity supplier

- ✓ Supplying renewable energy electricity to Evs
- ✓ Integration of renewable energy introduction and EV sharing service

➕

Local companies   **Companies outside the region**   **financial institution**