

Outline of Joint Development of Service Electric Vehicle for TEPCO

1. Outline of Development

(1) Description

Based on EV "Subaru R1e" that is now under development by FHI, the two companies will decide the specifications in consideration of the balance between the targets of performance and economy, design and build ten prototype vehicles, and verify their performance and economy through actual road tests, etc.

(2) Specifications as TEPCO's service vehicle:

- Number of seats 2
- Cruising range 80 kilometers (in the case of driving in an urban area with an 8-kWh battery aboard)
- Quick charge 15 minutes with an AC200V power source (0 to 80% of full charge)
- Normal charge about 8 hours with an AC100V power source
- Decrease in battery capacity

Less than 20% of initial capacity (7 years of use and a total 70,000 kilometers of running distance)

Development of EV-based vehicle: "Subaru R1e"



(3) Period:

From September 2005 through September 2006

- Prototype design: September to December 2005
- Prototype production: 1st prototype in mid-October 2005
Completion of all prototypes in March 2006
- Road tests: Soon after completion of each prototype

(4) Place of production:

FHI's Subaru Research Institute (9-6, Osawa 3-chome, Mitaka, Tokyo)

(5) Development setup:

Tokyo Electric Power Co.

Address: 1-3, Uchi-Saiwaicho 1-chome, Chiyoda-ku, Tokyo

President: Tsunehisa Katsumata

Outline of project: Electric utility industry and others

Roles to be played under the joint development:

Decisions on specifications of the vehicle and major equipment to be developed; design and production of charger; and collection and analysis of test run data.

Fuji Heavy Industries, Ltd.

Address: 7-2, Nishi-Shinjuku 1-chome, Shinjuku-ku, Tokyo

President: Kyoji Takenaka

Outline of project: Production, repair and sale of motor vehicle and their parts

Roles to be played under the joint development:

Decisions on specifications of and design and production of the vehicle and major equipment to be developed

(6) Cooperating company:

NEC Lamilion Energy, Ltd.

Address: Shimokuzawa 1120, Sagamihara-shi, Kanagawa

President: Kazuaki Utsumi

Outline of project: Development, production and sale of lithium-ion batteries for motor vehicles

Capitalized at 490 million yen (51% invested by NEC Corp. and 49% by FHI)

Roles to be played under the joint development:

Design and production of batteries to be installed in the vehicle

<Reference: image of charging EV>

