

CJJC2023 Day 2 Afternoon Technical Tour

1. Tour overview

Date: November 29, 2023, 13:00-17:00

Course: Choose either (1) or (2) below

(1) Obayashi Green Hydrogen Production Plant

(2) Betsuki-Hayami Area Wide-Area Municipalities Association Fujigaya Cleaning Center

Gathering

Time: Before 13:00

Place: Along the road of the East exit of B-Con Plaza (See the figure below)



2. Introduction of facilities

(1) Obayashi Green Hydrogen Production Plant



Hydrogen is produced using geothermal energy. The hydrogen produced is transported to the location of demand and used as electricity via fuel cells at the location of demand (Toyota Motor Corporation, etc.).

Reference

Obayashi Corporation: First in Japan to produce and supply green hydrogen from geothermal energy [Kokonoe-cho, Kusu-gun, Oita Prefecture].

https://www.obayashi.co.jp/green_energy/project/hydrogen/#sec05_01

Car 1 (A medium-sized bus, about 22 passengers)

13:00 Departure from Beacon Plaza

13:00-13:50 Beppu City→Kuju Town

13:50 Arrival at the sidewalk entrance to Obayashi Corporation Green Hydrogen Production Plant

13:50-14:00 Walking

14:00-14:30 Facility tour

14:30-14:40 Walking

14:40 Departure from the sidewalk entrance to Obayashi Corporation Green Hydrogen

Production Plant

14:40-16:30 Transportation and sightseeing (destination to be determined)

16:30 Arrival in front of Beppu Station

17:00 Arrive at Oita Station

Car No. 2 (A medium-sized bus, about 22 passengers)

13:00 Departure from Beacon Plaza

13:00-13:50 Beppu City→Kuju Town

14:00-15:00 Sightseeing (destination to be determined) and transportation

14:50 Arrival at the footpath entrance to the Obayashi Green Hydrogen Production Plant

14:50-15:00 Walking

15:00-15:30 Tour of facilities

15:30-15:40 Walking

15:40 Departure from the sidewalk entrance to Obayashi Corporation Green Hydrogen

Production Plant

16:30 Arrival in front of Beppu Station

17:00 Arrive at Oita Station

(2) Fujigaya Cleaning Center



The newest waste treatment facility in Oita Prefecture, which started operation in 2014. It consists of a high-efficiency waste power generation facility (combustible waste), a material recycling promotion facility (non-combustible waste, oversize waste), a final disposal facility (fly ash only), and others. There are eight separate categories for domestic refuse. Incinerated ash is reused as a raw material for cement at a private cement plant, and incinerated fly ash is landfilled at the final disposal site. Noncombustible garbage and oversize garbage are shredded and sorted at the Material Recycling Promotion Facility and recycled into iron, aluminum, grade 2 iron, and copper wire, and the noncombustible

residue is outsourced to the private sector for disposal.

The tour will take place in the main conference room. First, an introductory video of the facility will be shown, followed by a tour of various parts of the facility on monitors in the main conference room. Visitors are not allowed to enter the facility.

Car No. 3 (large bus, about 37 passengers)

13:00 Departure from Beacon Plaza

13:40 Arrival at Fujigaya Clean Center

14:00-15:00 Tour of facilities

15:00 Departure from Fujigaya Clean Center

15:00-16:30 Sightseeing (destination to be determined) and transportation

16:30 Arrival in front of Beppu Station

17:00 Arrive at Oita Station

Reference

Betsuki-Hayami Area Wide-Area Municipalities Affairs Association: Information on maintenance and management of the Fujigaya Cleaning Center

<https://www.bekkihayami-oita.jp/index-h-izi.html>

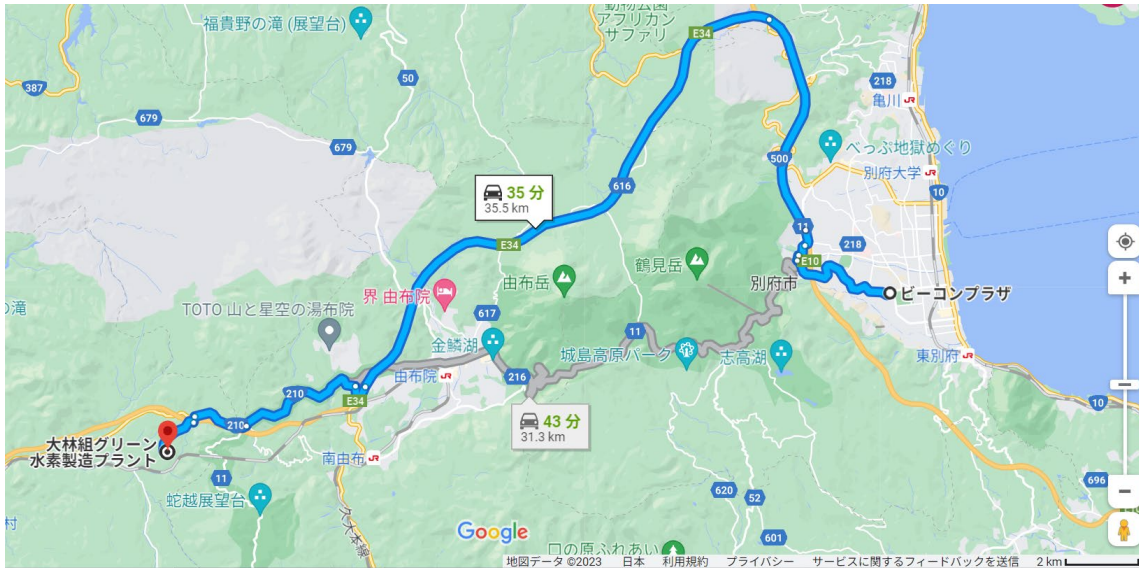
Betsuki-Hayami Area Wide-Area Municipalities Association: Fujigaya Cleaning Center

<https://www.bekkihayami-oita.jp/index-h.html>

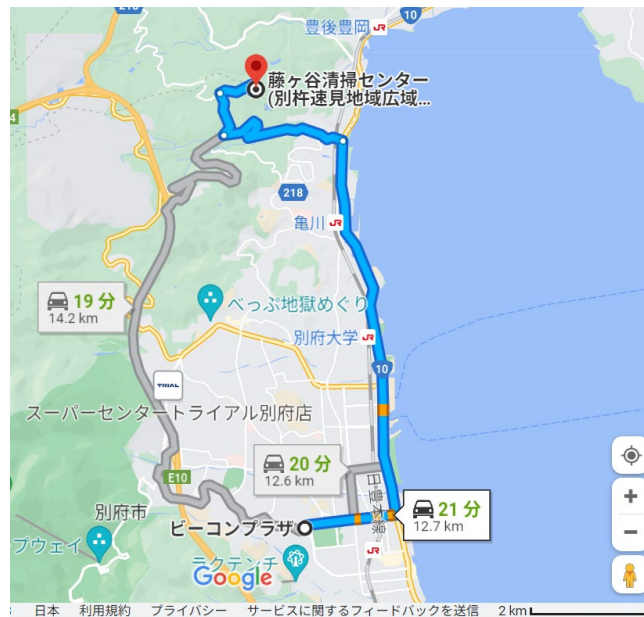
Betsuki-Hayami Regional Wide-Area Municipalities Affairs Association, etc.: Betsuki-Hayami Regional Plan for the Promotion of a Recycling-Oriented Society (Third Phase Plan)

<https://www.bekkihayami-oita.jp/index-h-sei-junkan.html>

3. Route



B-Con Plaza → Obayashi Corporation Green Hydrogen Production Plant



B-Con Plaza → Fujigaya Cleaning Center