

October 10, 2024

Cosmo Oil Co., Ltd.

Cosmo Energy Holdings Co., Ltd.

The Kansai Electric Power Co., Inc.

Cosmo Oil and KEPCO Win Bid to Conduct Engineering Design Work of an Advanced CCS Project in FY2024

Cosmo Oil Co., Ltd. (hereafter, “Cosmo Oil”) and The Kansai Electric Power Co., Inc. (hereafter, “KEPCO”), together with Kyushu Electric Power Co., Inc., The Chugoku Electric Power Co., Inc., Electric Power Development Co., Ltd., Mitsui & Co., Ltd., Resonac Corporation, and Mitsubishi UBE Cement Corporation, on October 8 have won a bid to conduct engineering design work for the CCS project southern Offshore Peninsular Malaysia, following a public call for bids by the Japan Organization for Metals and Energy Security (JOGMEC) to select Advanced CCS Projects for FY2024.

Cosmo Energy Holdings Co., Ltd., Cosmo Oil, and KEPCO conducted joint studies toward the establishment of a CCS¹ value chain in the Sakai-Semboku area.

[【Press release issued on October 13, 2023】](#)

Through this contracted research work, Cosmo Oil and KEPCO will carry out engineering design work across the CCS value chain, which encompasses the separation and capture of carbon dioxide (CO₂) emitted from facilities operated by the two groups in the Sakai-Semboku area—namely Cosmo’s Sakai Refinery and KEPCO’s Sakaiko Power Station—through to joint liquefaction and storage at the Sakaiko Power Station, and subsequent shipment of captured CO₂ from Cosmo shipping piers to storage sites. The joint study of liquefaction, storage, and shipping facilities by the two groups will enable the design of a larger and more efficient facility.

The two groups will conduct studies toward the establishment of an area-wide CCS value chain, with a view to future cooperation with other business operators that have CO₂ emission² in the Sakai-Semboku area, thereby contributing to the realization of a zero-carbon society.

1. CCS (Carbon capture and storage) is a technology that captures CO₂ from exhaust gas and stores it underground, etc.

2. Factories, power plants, and other business sites that emit CO₂.

(End)

[Appendix: Project Overview](#)