

Current Report according to the provisions of ASF Regulation no. 5/2018 on issuers of financial instruments and market operations Report date: August 10th, 2023

Name of the issuing entity: NUCLEARELECTRICA S.A. National Company Registered office: 48 Iancu de Hunedoara Av., District 1, Bucharest Telephone/Fax Number: 021.203.82.00 / 021.316.94.00 Sole Registration Code with the Trade Register Office: 10874881 Registration number in the Trade Register: J40/7403/1998 Subscribed and paid-up share capital: RON 3,016,438,940 Regulated market on which the issued securities are traded: Bucharest Stock Exchange

To: Bucharest Stock Exchange Financial Supervision Authority

Significant event to report: Cernavoda NPP Unit 1 reconnection to NES

Nuclearelectrica SA announces that Unit 1 of the Cernavoda NPP was reconnected to the National Energy System on the morning of August 10, 2023.

Unit 1 of the Cernavoda NPP was automatically disconnected from the National Energy System in the afternoon of 8 August 2023 due to a malfunction in the classical part of the unit, without impact on the nuclear part.

The automatic disconnection of Unit 1 as well as the remediation works had no impact on the nuclear safety of the reactor, the unit staff, the population and the environment.

Cosmin Ghita Chief Executive Officer

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