DCEM 1.0 online dashboard - Disclaimer and conditions of use (draft, v0.1)

1. Status of 4E

The 4E TCP (the IEA Technology Collaboration Programme on Energy Efficient End-Use Equipment) functions within a framework created by the International Energy Agency (IEA). EDNA (Efficient, Demand Flexible Networked Appliances) is one of the platforms of the 4E TCP. The 4E TCP is organised under the auspices of the International Energy Agency (IEA) but is functionally and legally autonomous. Views, findings and publications produced by 4E and EDNA do not necessarily represent the views or policies of the IEA Secretariat or of the IEA's individual member countries, nor of the governments and organisations that participate in the 4E TCP. Nothing in this dashboard should be taken as an official position of the IEA, the 4E TCP, EDNA or any of their members.

2. Status of the model

The dashboard is an interactive front end to the EDNA Data Centre Energy Model 1.0, a bottom-up global model of data-centre electricity consumption. The dashboard follows the publication of TEM 4.0 Unconstrained scenario against the original model (EDNA 2025). The other base scenarios and the policy interventions are parametric variants and extensions developed for the dashboard and are under continuing validation. The model and its assumptions are documented in the original EDNA (2025) TEM 4.0 report, the EDNA (2026) DCEM User Guide and the EDNA (2026) DCEM Technical Manual documentation, which form part of these conditions and should be read before results are used.

3. Illustrative scenario results, not forecasts

All outputs are scenario results generated from stated assumptions. They are not forecasts or predictions of what will happen, and they are not endorsed projections of the IEA, the 4E TCP or EDNA. Results depend strongly on assumptions about compute growth, hardware efficiency, utilisation and PUE, and on the policy settings chosen by the user. Values beyond 2035 are indicative only and are shown to illustrate sensitivity, not as estimates. The historical series is compiled from the sources listed in the technical documentation and may be revised. Results should be quoted with the scenario name, the policy settings, the dashboard version and the date on which they were generated.

4. Inputs selected by the user

The policy interventions, their strength and their effective years are chosen by the user. Results reflect those choices and any default values shown in the tool. Default values and "typical/ambitious" ranges are offered for orientation only and are not recommendations. EDNA does not review or validate user-selected inputs and accepts no responsibility for the interpretation of results produced from them. Users are responsible for judging whether a set of inputs is plausible for their purpose and for describing those inputs when results are communicated.

5. No warranty

The dashboard, its underlying model, data, documentation and outputs are provided "as is" and "as available". EDNA has made its best endeavours to ensure the accuracy and reliability of the data and methods used but makes no warranty, express or implied, as to the accuracy, completeness, currency, fitness for a particular purpose, availability, security or freedom from error of the dashboard or its outputs. The dashboard may be unavailable, changed or withdrawn at any time without notice.

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7. Third-party data and external links

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Suggested citation: EDNA (2026), Data Centre Energy Model (DCEM) 1.0 online dashboard, IEA 4E Technology Collaboration Programme, https://www.iea-4e.org/edna/dcem, accessed [date]. Please cite the underlying model analysis report as: EDNA (2025) Total Energy Model 4.0 – Data Centres, IEA 4E TCP, https://www.iea-4e.org/edna/publications/total-energy-model-4-0-data-centres/.

10. Registration and personal data

Registration requires [name, e-mail address, organisation and country]. These data are used only to administer access, to inform registered users of new versions and to compile aggregate usage statistics for reporting to the 4E Executive Committee; they are not sold or passed to third parties, and are held in accordance with the 4E Privacy Policy. Users may ask for their details to be corrected or deleted by writing to edna@iea-4e.org. Either way, the dashboard is subject to the 4E Disclaimer and Privacy Policy at https://www.iea-4e.org/disclaimer-privacy-policy/.

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12. Governing terms

These conditions are governed by the framework applicable to the 4E TCP. If any provision is found unenforceable, the remainder continues to apply. Continued use of the dashboard after changes to these conditions constitutes acceptance of the revised conditions.

References

- EDNA (2026), Data Centre Energy Model 1.0 – User Guide
- EDNA (2026), Data Centre Energy Model 1.0 – Technical Manual
- 4E TCP, Disclaimer & Privacy Policy: https://www.iea-4e.org/disclaimer-privacy-policy/ and EDNA disclaimer page: https://www.iea-4e.org/edna/disclaimer/
- EDNA (2025), Total Energy Model 4.0 – Data Centres, https://www.iea-4e.org/edna/publications/total-energy-model-4-0-data-centres/

Document version control and contact

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Contact: edna@iea-4e.org