

Technical support to the Energy Community and its Secretariat to assess the candidate Projects of Energy Community Interest in electricity, smart gas grids, hydrogen, electrolysers, and carbon dioxide transport and storage, in line with the EU Regulation 2022/869

- Structure of the future results-

TEN-E (PECI) Groups meeting – 3rd joint meeting of the “Electricity” and “Gases” Groups

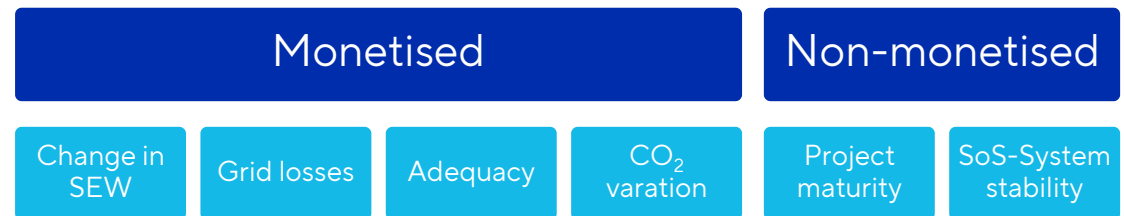
12 March 2026

Structure of results

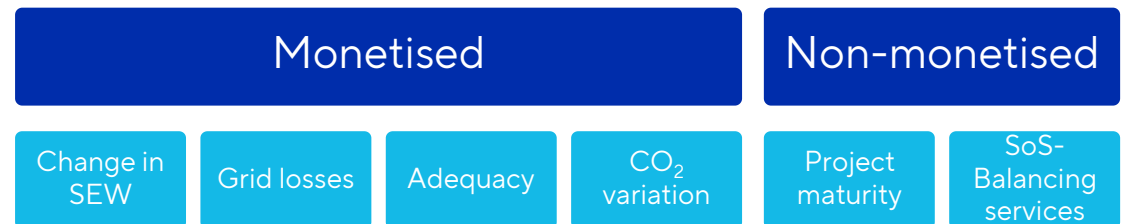
Project assessment indicators

- Positive impact of the proposed project will be analysed within the **benefits defined by the relevant methodologies**
- The benefits, i.e. indicators that will be calculated in the project assessment process refer to **monetised, and non-monetised**
- **CBA and MCA analyses will address** both monetised and non-monetised indicators

Electricity transmission project benefit indicators



Energy storage project benefit indicators



Structure of results

B/C ratio

- The **Benefit/Cost (B/C) ratio** – the present value of all monetised benefits divided by the present value of all project costs (CAPEX and OPEX)
- **Discount rate of 4%** is used
- If the B/C ratio is lower than one, then the project **does not comply with the general eligibility criterion** set out by the TEN-E Regulation
- For projects with B/C ratio higher than one, **points are allocated to enable project ranking** under the same infrastructure category
- **Maximum points** that a project can receive is **20**

Range of B/C ratio value	Points
1	10
1-2	11
2-3	12
3-4	13
4-5	14
5-6	15
6-7	16
7-8	17
8-9	18
9-10	19
>10	20

Structure of results

SoS - System stability

- **System stability** – non-monetized indicator which shows quantitatively how much the project supports the voltage stability, transient stability and frequency stability
 - ✓ '0' - no change: the technology/project has no (or just marginal) impact on the respective indicator,
 - ✓ '+' - small to moderate improvement: the technology/project has only a small impact on the respective indicator,
 - ✓ '++' - significant improvement: the technology/project has a large impact on the respective indicator
- Data regarding this indicator requested **in the project questionnaire**
- According to the *4th ENTSO-E Guideline for Cost-Benefit Analysis of Grid Development Projects*, a project can attain a maximum of 5 '+'
- For small to moderate impact on system's stability ('+'), a **0.4 points** will be assigned, and for significant impact ('++'), **0.8 points** will be assigned
- A project that has a maximum impact of 5 '+' can be assigned with maximum of **2 points (5*0.4)**

Structure of results

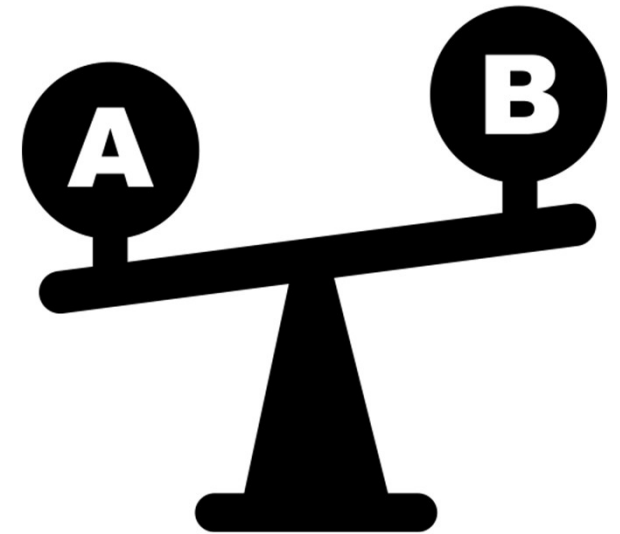
Project maturity

- **Project maturity** – will be determined based on the data about status/completion of project development phases delivered by the project promoters through project questionnaires
- For the completion of each project development phase a score of **0.5 point** is assigned
- A maximum of **5 points** can be received for completion of all project phases before the construction

Project development phase	Possible points for phase completion
Prefeasibility study	0.5
Technical feasibility study	0.5
Economic feasibility study (CBA)	0.5
Environmental impact assessment	0.5
Detailed design study	0.5
Resolved financing	0.5
Obtained approvals/permits	0.5
Approval by regulatory authority	0.5
Final investment decision	0.5
Tendering procedure	0.5

Relative rankings of projects

- Based on the results of quantitative and qualitative analysis, individual project assessment will be made for each of the eligible project categories
- Each of the criteria evaluated in a specific project category (monetised and non-monetised) will have a certain number of points in the total possible score
- Based on the calculated total scores of each individual project a **relative ranking of all eligible projects** will be provided as the final output of the assessment



Relative rankings of projects

- Based on the calculated total scores of each individual project a **relative ranking of all eligible projects** will be provided as the final output of the assessment
- The candidate project will be ranked if it proves **that its overall benefits outweigh its costs**
- For electricity transmission overhead lines and energy storage projects **a maximum of 27 points** can be assigned based on the indicator scoring
- The projects will be ranked from top to bottom in line with the total score, e.g. **from 27 points to 10 points** (which is a threshold for a project to be economically viable, e.g. to have $B/C > 1$)

Indicator	Maximum points
B/C ratio	20
SoS - System stability (OHL) or Balancing services (Storage)	2
Project maturity	5
TOTAL	27

Thank you for your attention



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