

Terminology for Energy Efficiency Network Management

[draft-bclp-green-terminology](#)

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Why This Document in GREEN WG?

The Working Group will concentrate on the following:

- ..
- **Defining terms and definitions related to energy efficiency metrics.**
Where possible, terms and definitions in existing **RFCs will be reused.**
- ...

Work Items

The GREEN Working Group will initially focus on the following deliverables:

- Informational document(s) that (1) defines **common terminology** and metric definitions, (2) **categorizes various types of metrics and measurements** at component, device, and network levels.


Excerpt from the GREEN WG Charter

Document Contributions

- ***Defines a set of terms*** to be used within the IETF when discussing Energy-efficiency networks
 - The document ***does not intend to define a comprehensive list*** of energy-related terms, or sustainability in general
 - Only ***key terms*** are defined
 - Some of these terms are ***extracted from existing*** IETF documents and beyond
- Provides ***a list of currently used metrics and measurement methods*** to assess/calculate energy-related consumption, efficiency ratio, etc.
- ***Inventory of SDOs*** where relevant energy efficiency effort is ongoing
 - Will be removed in future versions, but the intent is to check the consistency of our proposed terms and leverage existing metrics

12 Core Terms Are Currently Defined

1. Energy
2. Power
3. Energy Management
4. Energy Monitoring
5. Energy Control
6. Energy Efficiency Network Management
7. Energy Efficiency Metric
8. Energy Efficiency/Energy Efficiency Ratio (EER)
9. Power Usage Effectiveness (PUE)
10. Network Level Energy Efficiency (NLEE)
11. Device Level Energy Efficiency (DLEE)
12. Component Level Energy Efficiency (CLEE)



Let us know if any key term
is missing or if any can be
removed

Questions & Next Step

- Any comment about the current scope & approach?
- Consider WG adoption