

NUCLEAR INTEGRATED INFORMATION DATABASE

The Nuclear Integrated Information Database (NIID) is the cornerstone of the EUCG – Nuclear Committee’s vision to *be the recognized industry source for economic and performance benchmarking data and information used by member companies to improve plant and industry performance*. The fundamental purpose of this database is to support benchmarking, target setting and improve members’ access to industry best practices. The EUCG is a non-profit member driven organization whose sole purpose is to improve the competitiveness of its member companies and generally enhance the nuclear industry. The database was developed by the members and is maintained by a third party to ensure integrity and remain compliant with ‘anti-trust’ standards for conduct of business.

The key features of the database are:

- It contains comprehensive nuclear plant cost and performance information.
- It has a significant level of detail to enable benchmarking at various data levels/technology types, organizational structures.
- It includes all US nuclear utilities and a significant representation of units from France, Canada, Spain, Japan, China and Romania.
- *To improve the ability to benchmark costs across nations (currencies) the EUCG developed a feature in the NIID called the Purchasing Power Parity feature that factors out the ‘currency vacillations’ and drives to a truer basis for benchmarking costs.*
- It is timely in its release of information, for use in the planning cycle of most utilities.
- It utilizes the latest technology for members to communicate, and to collect / distribute data and reports. The data inputs are web based data submittals (standard and ad-hoc) and the database uses up to date technology for subsequent access and use.
- The information is based on the principle of ‘give to get’. Elements of the database are only available to members if they submitted valid data for that category. This promotes timely, comprehensive, standard and valid data submissions from members.
- The data base has industry recognition and a good reputation with the US Chief Nuclear Officers.
- The relevance of the information is supported by the fact that the information is member developed and maintained (keeping up with latest changes in the industry)
- It has significant levels of historical information.
- There is a level of standardization underpinning the data definitions for input so that data can *more easily be comparable to facilitate benchmarking*.
- The numerical data has significant qualitative clarification notes to facilitate understanding.
- Significant effort spent on data audit and verification. The data review team member functions as a data expert in certain portions of the database details and will review all member utility submittals in their area of expertise.
- The database has high standards of security and is maintained by a third party to ensure ‘anti-trust’ rules are adhered too.
- Comprehensive training offered on data input (to support data integrity) and on data mining techniques (for subsequent use in analysis).
- The semi-annual meetings provide a vehicle for members to establish contacts to better understand data and exchange underlying practices.
- Standard reports are produced to enable members to get a jump start on their annual planning and benchmarking efforts.