The SNIA Emerald™ program is the result of 3 years intensive work by the SNIA Green Storage Initiative (GSI) and the SNIA Green Storage Technical Work Group (TWG), both formed to advance the data storage industry to become more energy efficient through education, best practices, cross-industry alliances, and technical specifications and recommendations.

The work effort started with input gathered from the storage industry, end users around the world and from multiple international government agencies, whereby one set of industry deliverables formed around a set of metrics for measuring storage networking system energy efficiency. As a way of managing and displaying the results of testing, the SNIA Emerald program was born; it manages testing procedures and collection and distribution of results in a consistent format directly related to the SNIA Emerald™ Power Efficiency Measurement Specification.

The SNIA Emerald is targeted at multiple audiences: storage vendors, companies evaluating the energy efficiency of storage systems as a component of their purchase strategy, facility managers looking for help determining power requirements for their datacenters, national agencies developing recommendations and guidelines for Green IT, and independent IT testing services performing work on behalf of all of these audiences.

SNIA Emerald™

www.sniaemerald.com

"The SNIA is proud to deliver the SNIA Emerald program to a global IT industry and national bodies concerned with energy efficiency. We are providing end-users and the industry at-large with a means to test, measure and evaluate storage systems power usage and efficiency, at a time when datacenter energy usage is projected to increase."

- Leah Schoeb,
Chair of the SNIA Green Storage Initiative

The program's website provides resources and information on the SNIA Emerald testing program, how to participate in the program, and provides the industry at large access to the test results for all products for which tests have been performed and results submitted and accepted for posting.

Storage vendors can download the SNIA Emerald Power Efficiency Measurement Specification™ and the accompanying Users Guide from the SNIA Emerald website. The vendor may test their products and submit the test results.

Once the results are accepted, vendors who use the specification will obtain a SNIA Emerald logo to highlight their program participation. In turn, the industry can view their submitted test results along with other program participants test results

SNIA Emerald program provides a vendor neutral approach to measure a standard set of metrics for characterizing various aspects of storage system energy efficiency. It provides a common repository of test data presented in a consistent format for power usage that can be used to help determine facility costs to operate data storage solutions. Over time, the program will help drive continuous improvements in storage system power efficiency. Accessing many vendors test data in a single industry program repository can save everyone time and effort.

Visit www.sniaemerald.com or email emerald@snia.org for more information.

About the SNIA GSI

SNIA's Green Storage Initiative (GSI) is dedicated to advancing energy efficiency and conservation in all networked storage technologies in an effort to minimize the environmental impact of data storage operations. SNIA's Green Storage activities take place in two separate working bodies, the SNIA Green Storage Technical Working Group (TWG) and the Green Storage Initiative. The TWG is focused on developing test metrics by which energy consumption and efficiency can be measured. The Green Storage Initiative is focused on creating and publicizing best practices for energy efficient storage networking, educating the IT community, and promoting storage–centric applications that reduce storage footprint and associated power requirements.

The GSI's Mission

- To conduct research on power and cooling issues confronting storage administrators
- Educate the vendor and user community about the importance of power conservation in shared storage environments
- Leverage SNW and other SNIA and partner conferences to focus attention on energy efficiency for networked storage infrastructures
- Provide input to the SNIA Green Storage TWG on requirements for green storage metrics and standards
- Provide external advocacy and support of the technical work of the SNIA Green Storage Technical Working Group

SNIA GSI Discounted Membership Program

SNIA Green Storage Initiative (GSI) is now offering a discounted membership program that includes favorable test data submission entitlements for the newly announced SNIA Emerald™ Program.

The terms of the discounted program are straightforward: 50% discount off the 12 month GSI membership rate, with either the first 4 or 8 Test Sponsor submissions being at no-cost, based on selected membership level. GSI members also received discounted test submission rates and are eligible for discounted volume test bundles.

Current GSI Members

EMC² hp

HITACHI Inspire the Next   IBM   LSI

NetApp   ORACLE   QLOGIC

Seagate   vmware

xyratex

Members as of 10.1.11

SNIA Emerald™

www.sniaemerald.com

www.snia.org/green

emerald@snia.org