NIMBUS DATA

Introducing Sustainable Storage™

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How to achieve Sustainable Storage

▶ **NAND flash as 15K disk replacement**

› 75 % lower raw power consumption

› 325x improvement in IO per watt

› 75% lower BTU cooling

› 95% less rackspace per 1M IOps

› Better usage of what you already have (CPU's, networks)

	NAND Flash	15K Disk
Watt per TB	5 W	20 W
IO per Watt	6,500	20
BTU per TB	17 BTU	68 BTU
U per 1M IOps	2U	208 U

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Software Key to Sustainable Storage

▶ **Real-time Deduplication**

> › Reduce the amount of storage needed up to 20:1

▶ **Real-time compression**

> › Reduce data stored an additional 2:1

▶ **Thin Provisioning**

> › Maximize efficiency of what you buy

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