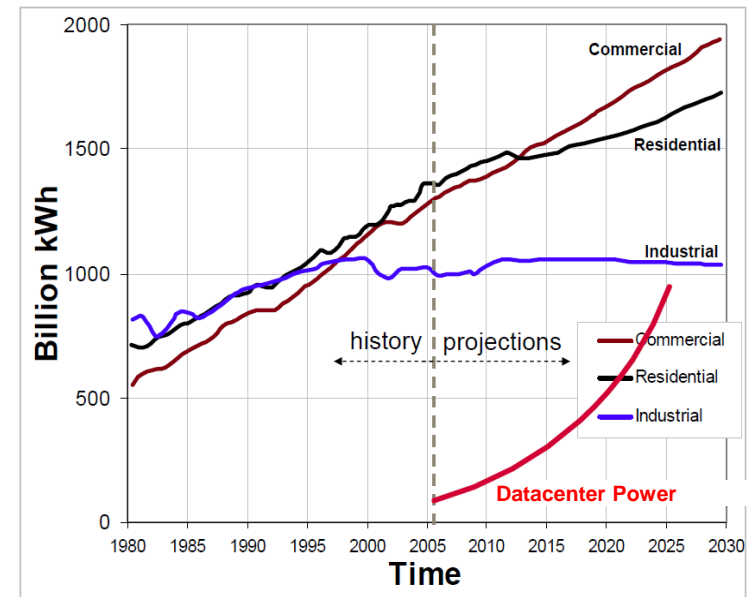**skyera**

Energy Efficient Datacenter

Saving 3% of the World's Energy with Solid-State Storage

Datacenters will consume 5-7% of US energy in 2015

- ◈ Fastest growing energy consumption
  Online services, regulation, analytics, …
  10 million servers & 10k datacenters[1]

- ◈ External enterprise storage[2]
  15,000PB to ship in 2011
  85,000PB to ship in 2015

1 EPA Technical Workshop
2 External enterprise storage: DAS, NAS, SAN (Source: IDC 2011)

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An all solid-state data center will save 2-3% of US power in 2015

- ❖ 44TB solid-state storage in a half-depth 1U form factor
  - 1/10th the power & 100x performance of spinning disk

- ❖ Integrated network switch further reduces TCO
  - Same performance at 1/5th the power and 1/2 the cost per port

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