Scalable Energy Storage
Beyond Lithium-Ion

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Chairman
Generation – Transmission - Storage

Storage

Transmission

Generation

Electrical Energy Supply
Scalable Energy Storage: 3-way Game Changer

- Break the ~ 20% ceiling on intermittent renewable energy

- Neighborhood Energy

- Greatly reduce oil-dependency

>> 20%! + 2 GW/day til 2050?
Where does all that oil go?

- US uses ~ 20 Million barrels of oil / day
  - 14 Million bbls per day are imported (= 70%)
  - 14 Million bbls per day for transportation

**81% of US oil imports could be eliminated if all cars & trucks were fully electric**
Daily US oil consumption as an ‘Oil Lake’

396 m (1300’) deep!