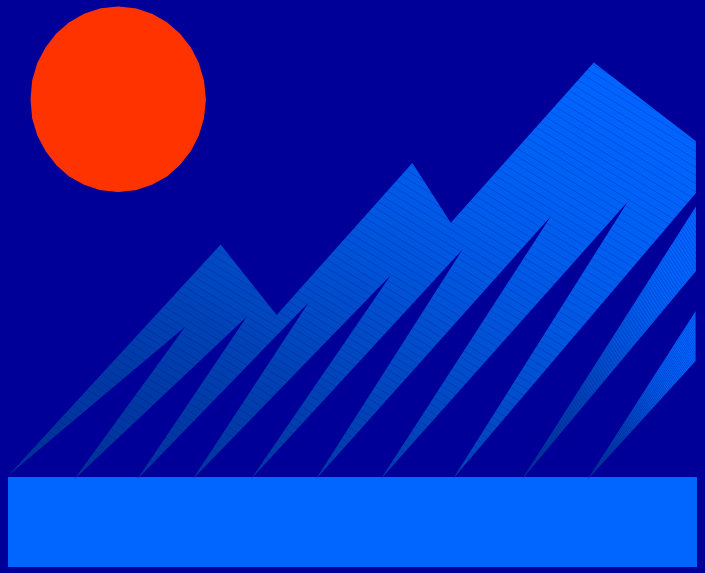
Tribal Energy Program Review

November 17-20, 2003

Golden, Colorado

National Renewable Energy Laboratory



Operated for the U.S. Department of Energy by
Midwest Research Institute • Battelle

Major DOE National Laboratories

- Defense Program Labs
- Office of Science Labs
- Energy Efficiency and Renewable Energy Lab
- Environmental Management Lab
- Fossil Energy Lab

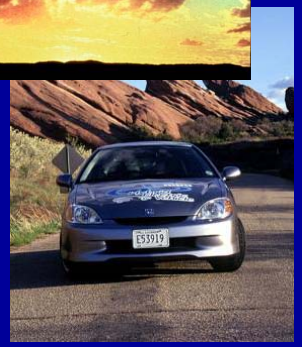
National Renewable Energy Laboratory

- Only national laboratory ***dedicated*** to renewable energy and energy efficiency R&D
- Research spans fundamental ***science*** to ***technology*** solutions
- ***Collaboration*** with industry and university partners is a hallmark
- Research programs ***linked*** to market opportunities

Major NREL Technology Thrusts

Supply Side

- Wind Energy
- Solar Photovoltaics
- Concentrating Solar Power
- Solar Buildings
- Biomass Power
- Biofuels
- Geothermal Energy
- Hydrogen
- Superconductivity
- Distributed Power



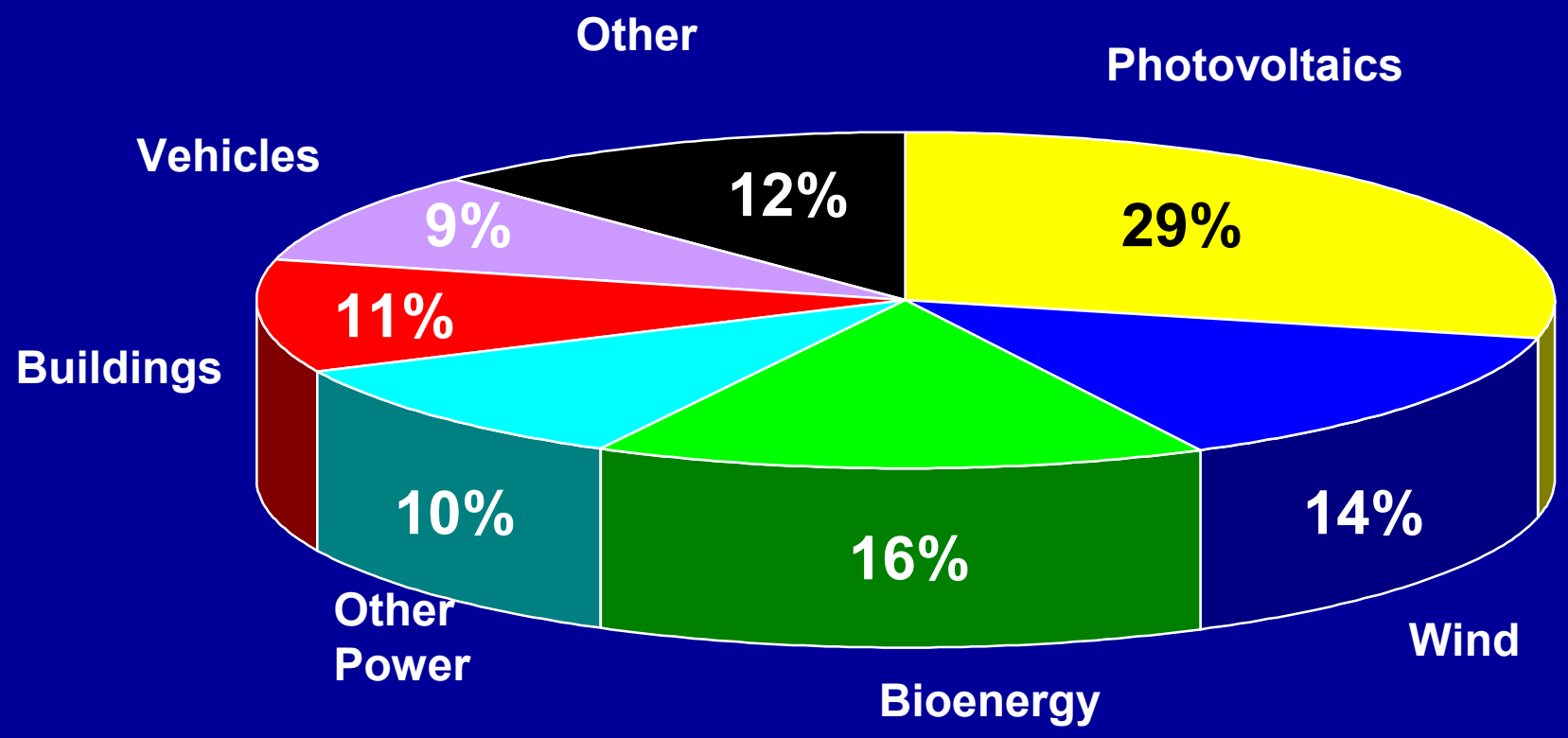
Demand Side

- Hybrid Vehicles
- Fuels Utilization
- Buildings Energy Technology
- Federal Energy Management
- Advanced Industrial Technologies

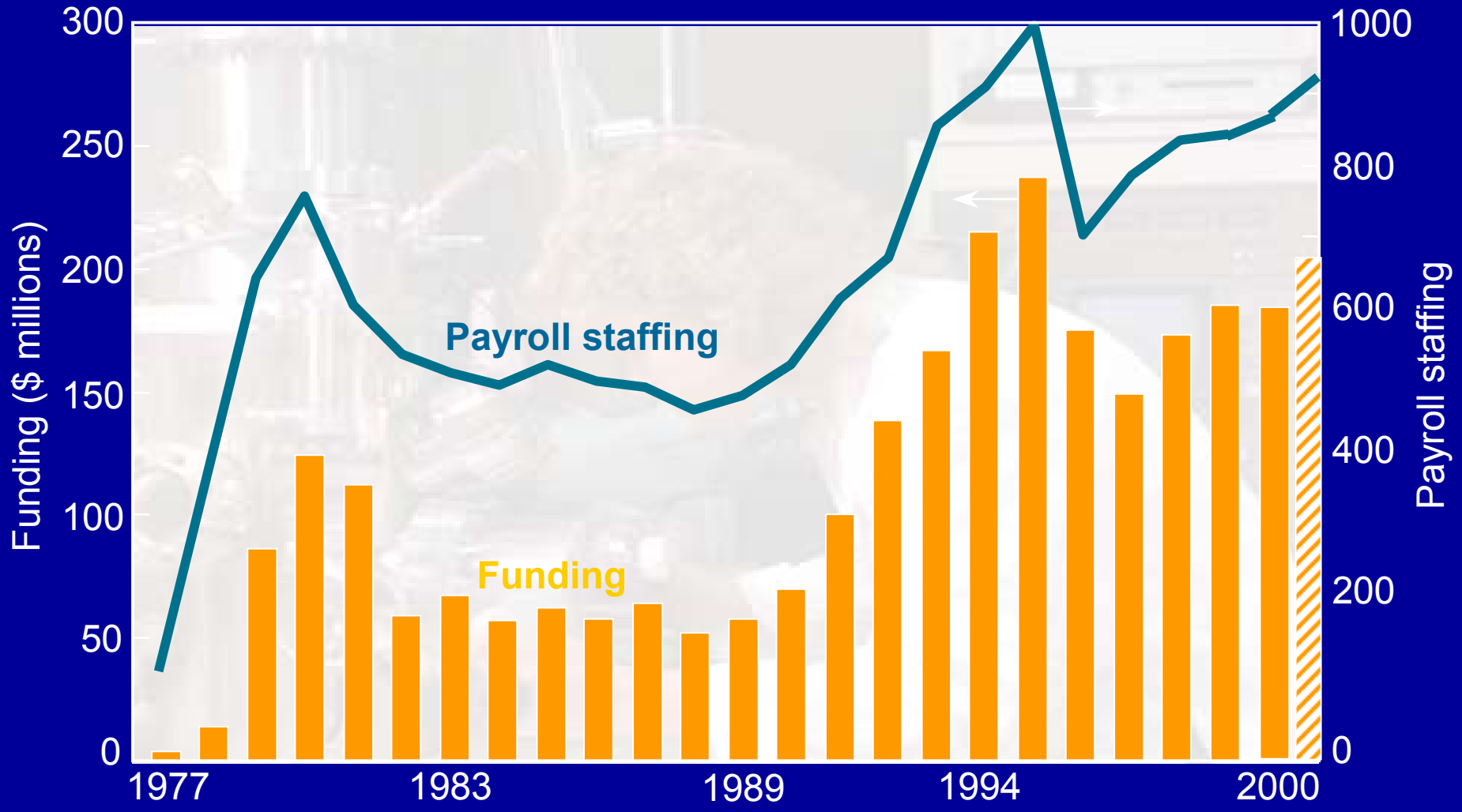
Cross Cutting

- Basic Energy Science
- Analytical Studies
- International Programs
- Tribal Energy Program

NREL Funding
FY01Total: $205 Million



NREL Funding and Staffing



Carter | Regan | Bush | Clinton | Bush

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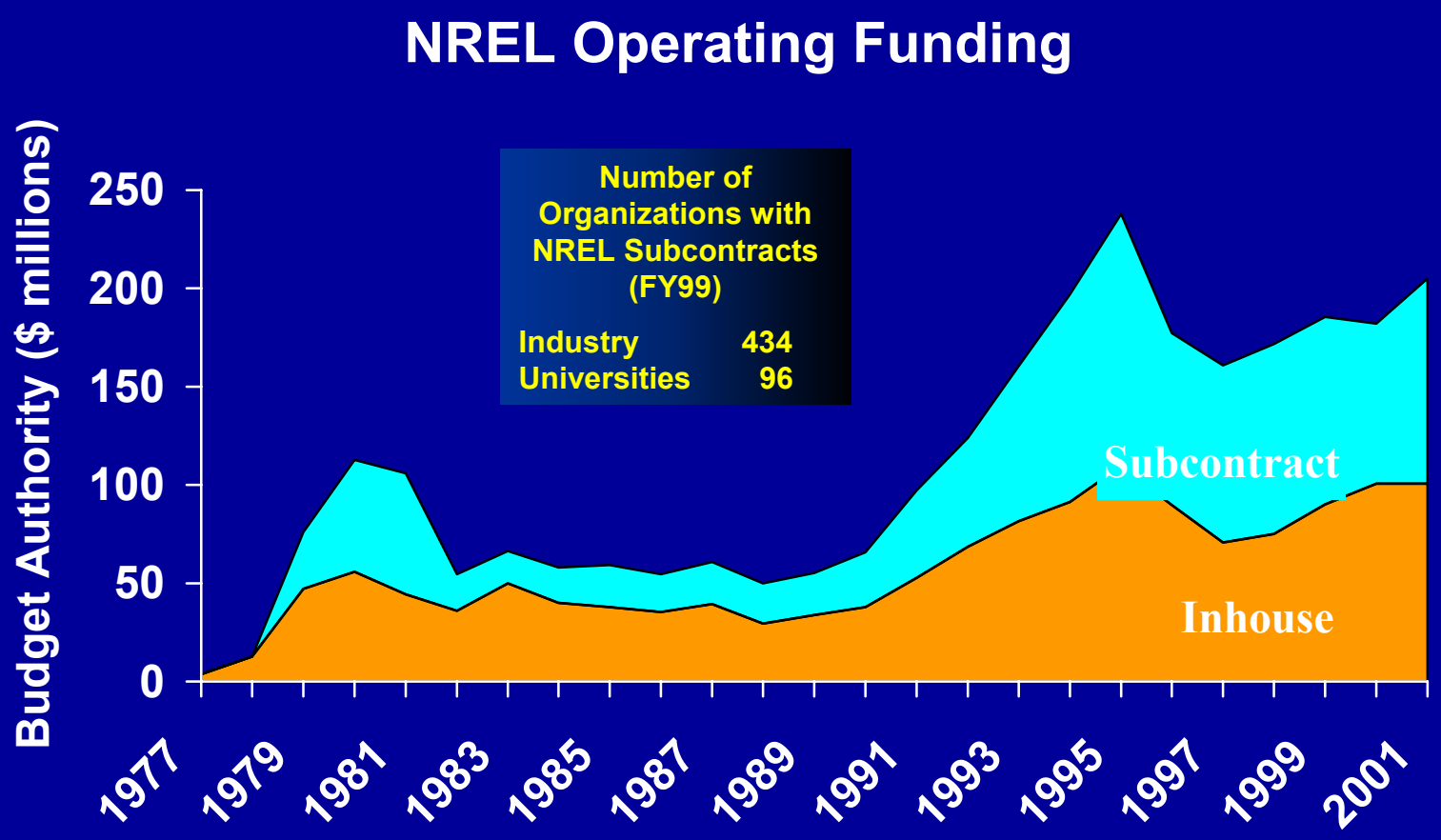
NREL Subcontracts About Half of Its Funding



South Table Mountain Site

Solar Energy Research Facility (SERF)

Visitors Center

Field Test Laboratory Building (FTLB)

02556011

South Table Mountain Site

Thermal Test Facility

Outdoor Test Facility

Outdoor Test Area

Alternative Fuels User Facility

National Wind Technology Center

GE Wind Energy
1.5 MW Drive Train

35 Meter Blade Strength Test