

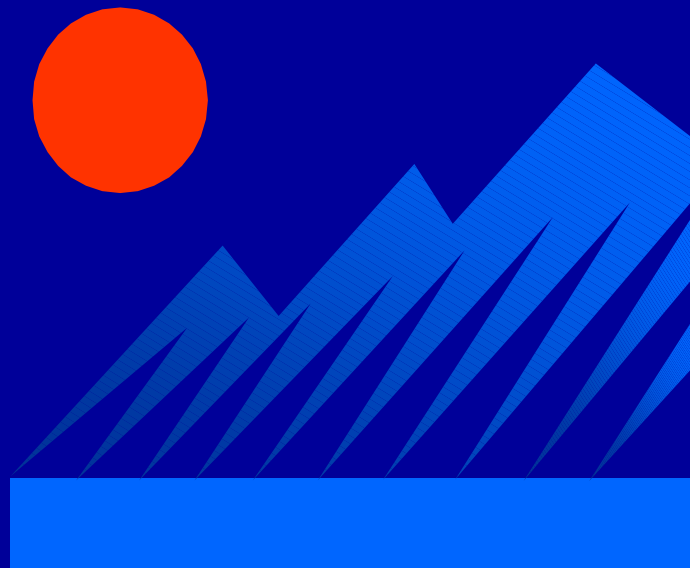


Tribal Energy Program Review

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

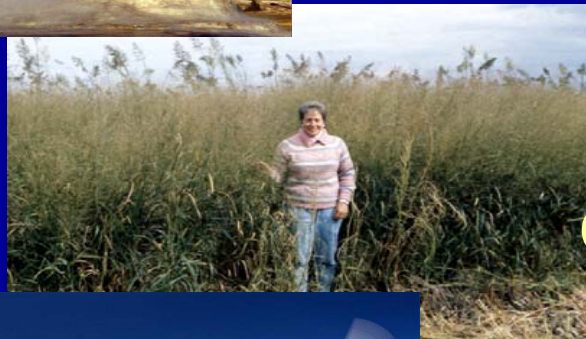
- Only national laboratory *dedicated* to renewable energy and energy efficiency R&D
- Research spans fundamental *science* to *technology* solutions
- *Collaboration* with industry and university partners is a hallmark
- Research programs *linked* to market opportunities



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

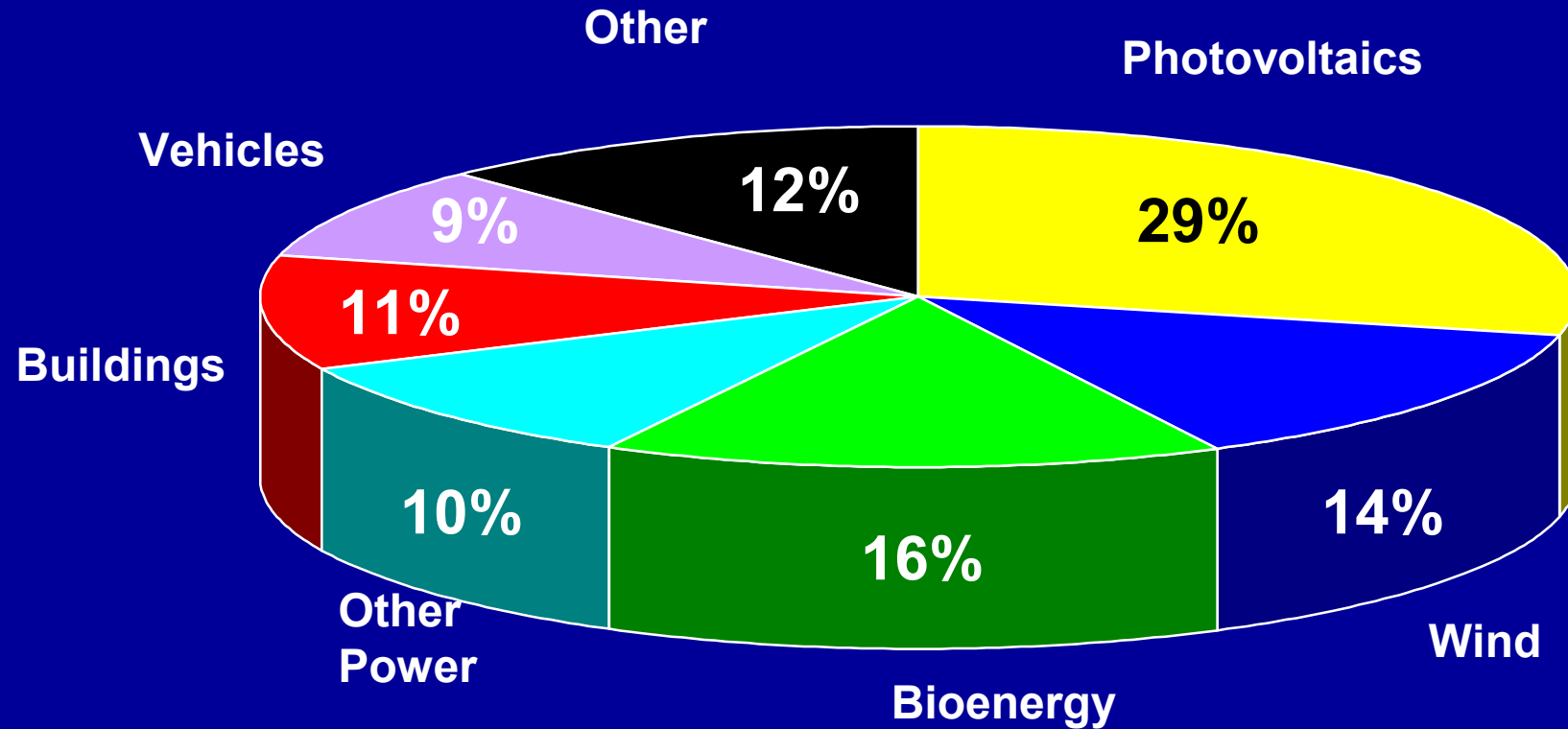
Hybrid Vehicles
Fuels Utilization
Buildings Energy
Technology
Federal Energy
Management
Advanced Industrial
Technologies

Cross Cutting

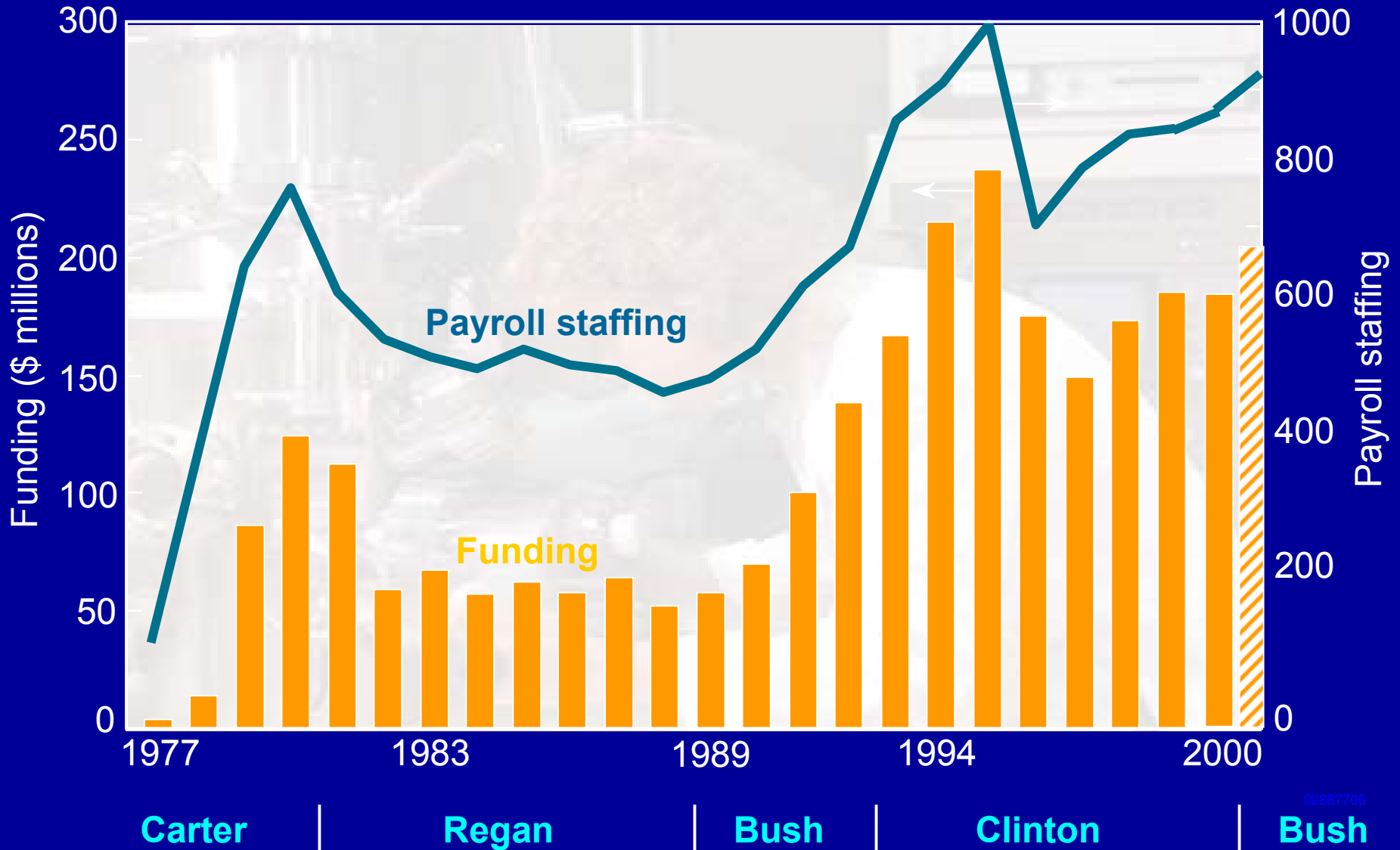
Basic Energy Science
Analytical Studies
International Programs
Tribal Energy Program

NREL Funding

FY01 Total: \$205 Million

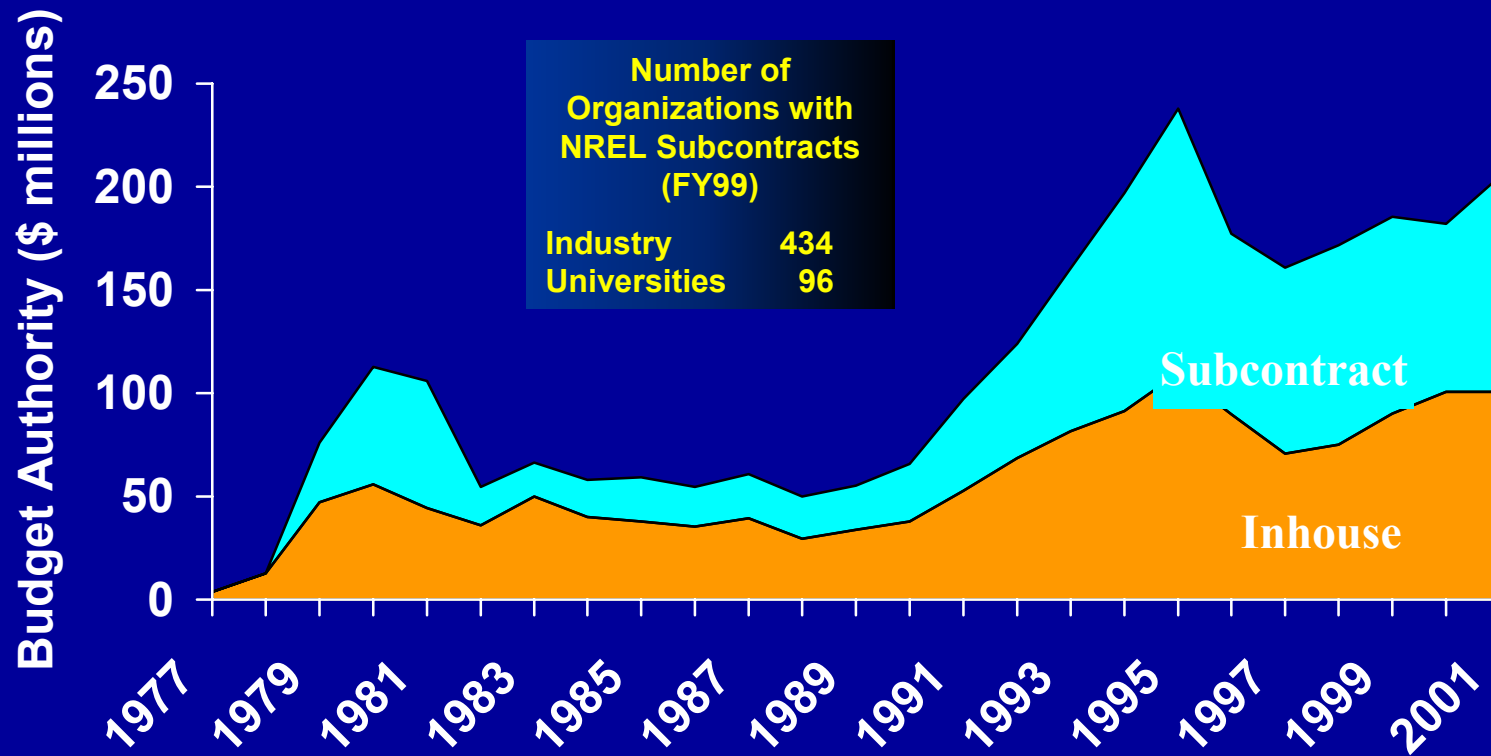


NREL Funding and Staffing



NREL Subcontracts About Half of Its Funding

NREL Operating Funding



South Table Mountain Site



Solar Energy Research Facility (SERF)



Visitors Center



Field Test Laboratory Building (FTLB)

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