

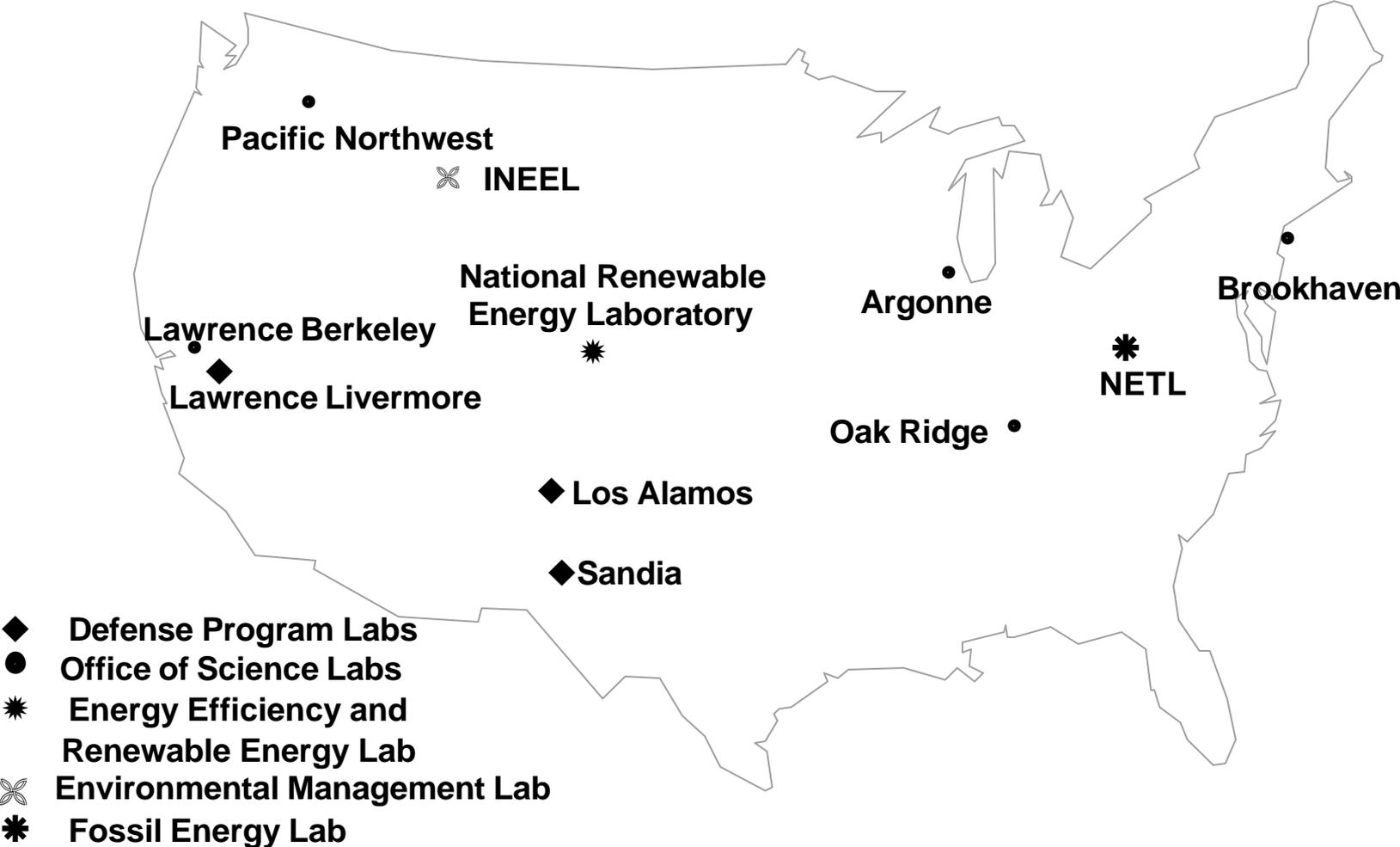
National Renewable Energy Laboratory



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



Major DOE National Laboratories



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

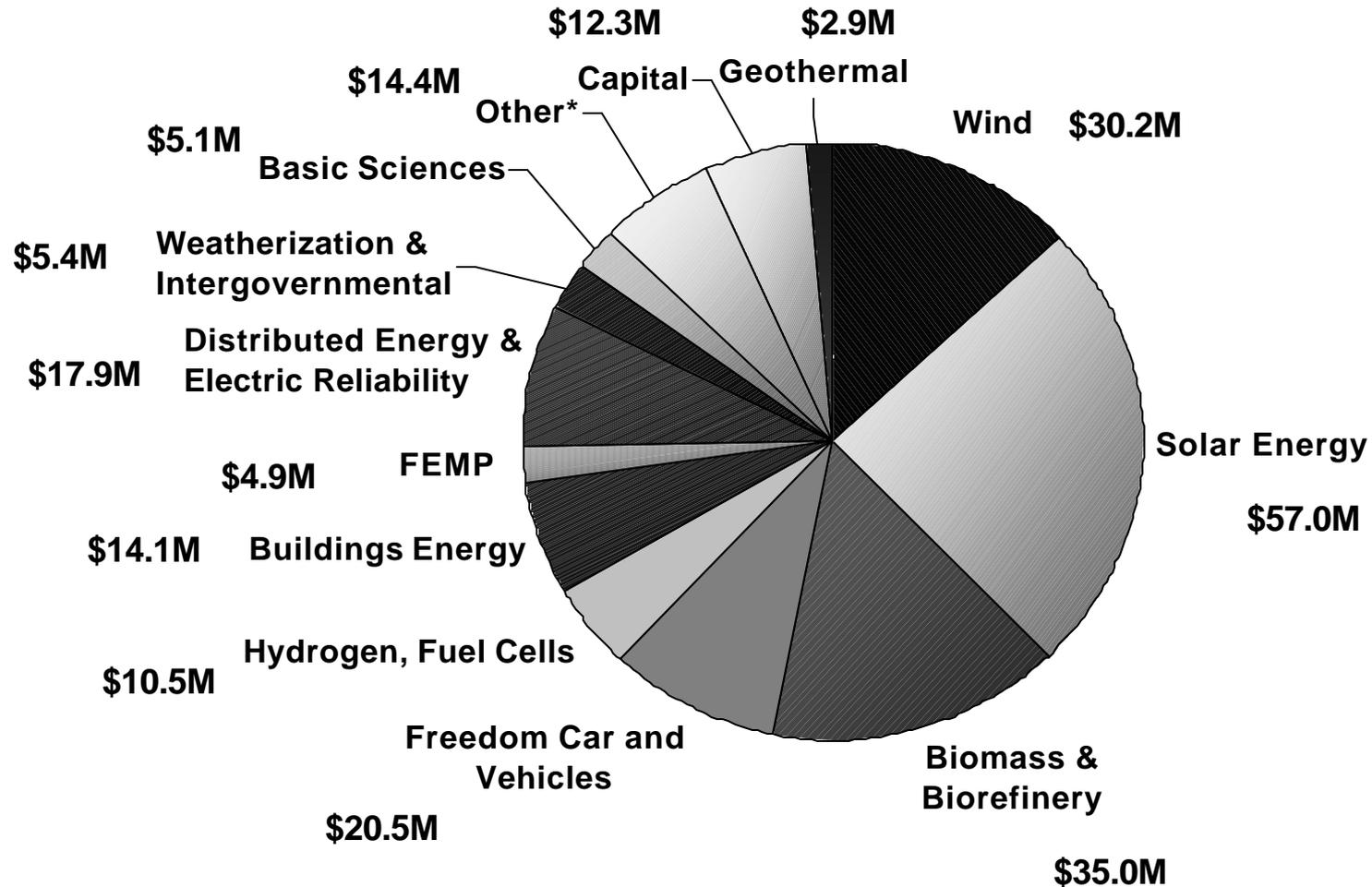
Hybrid Vehicles
Fuels Utilization
Buildings Energy
Technology
Federal Energy
Management
Advanced Industrial
Technologies

Cross Cutting

Basic Energy Science
Analytical Studies
International Programs
Tribal Energy Program



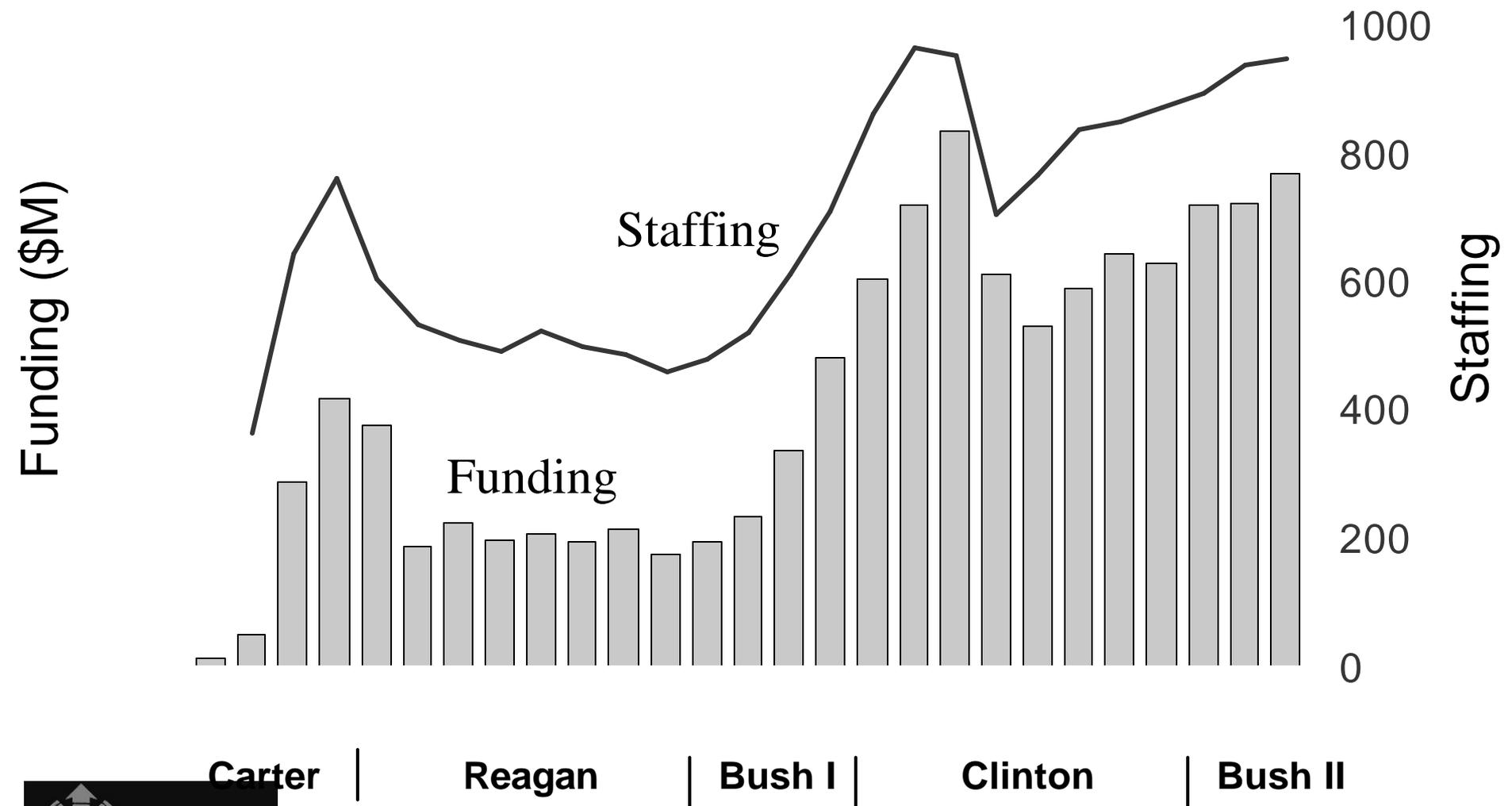
NREL FY03 Funding by Program -- \$230M



Updated October 11, 2003

*Work for other federal, industry, etc. and four small projects each under \$3M

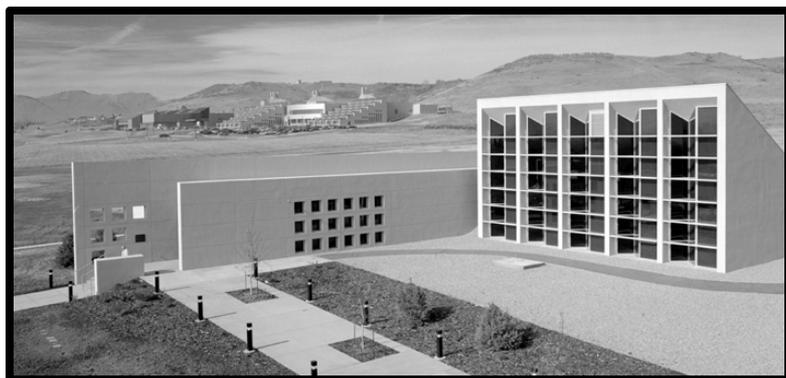
NREL Funding & Staffing



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

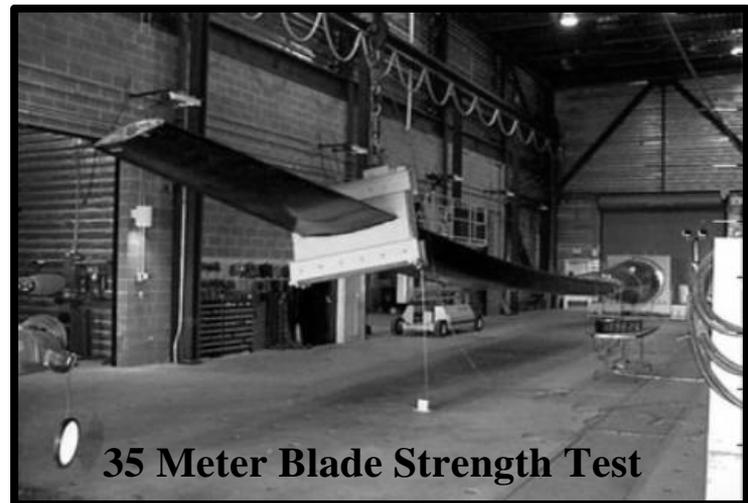


Alternative Fuels User Facility

National Wind Technology Center



**GE Wind Energy
1.5 MW Drive Train**



35 Meter Blade Strength Test