

REGULATORY TRENDS

RIC 2005

PLENARY SESSION P3

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**Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission**

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NRC Strategic Objective

Enable the use and management of radioactive materials and nuclear fuels for beneficial civilian purposes in a manner that protects public health and safety and the environment, promotes the security of our nation, and provides for regulatory actions that are open, effective, efficient, realistic, and timely.

NRC Performance Results

During FY 2004, The NRC successfully met all strategic and performance goal targets

- NUCLEAR REACTOR SAFETY
- NUCLEAR MATERIALS SAFETY
- NUCLEAR WASTE SAFETY
- INTERNATIONAL NUCLEAR SAFETY SUPPORT

FY 2004 Reactor Safety Operating Plan Measures Met

	Target	Actual
Licensing Actions Completed	1500	1741
2.206 Petitions Completed (avg. days for issuance)	120	88
Power Uprate Timeliness measurement uncertainty, ≤ 6 months stretch uprates, ≤ 9 months extended uprates, ≤ 12 months	100%	100%
License Renewals (% completion in ≤ 30 months, ≤ 22 months without a hearing)	100%	100%
Review early site permit applications, design certification applications, and conduct pre-application activities	On schedule negotiated with applicant	On schedule
Complete baseline inspection program	All plants	All plants
Rulemaking activities submitted for approval	14	Met target

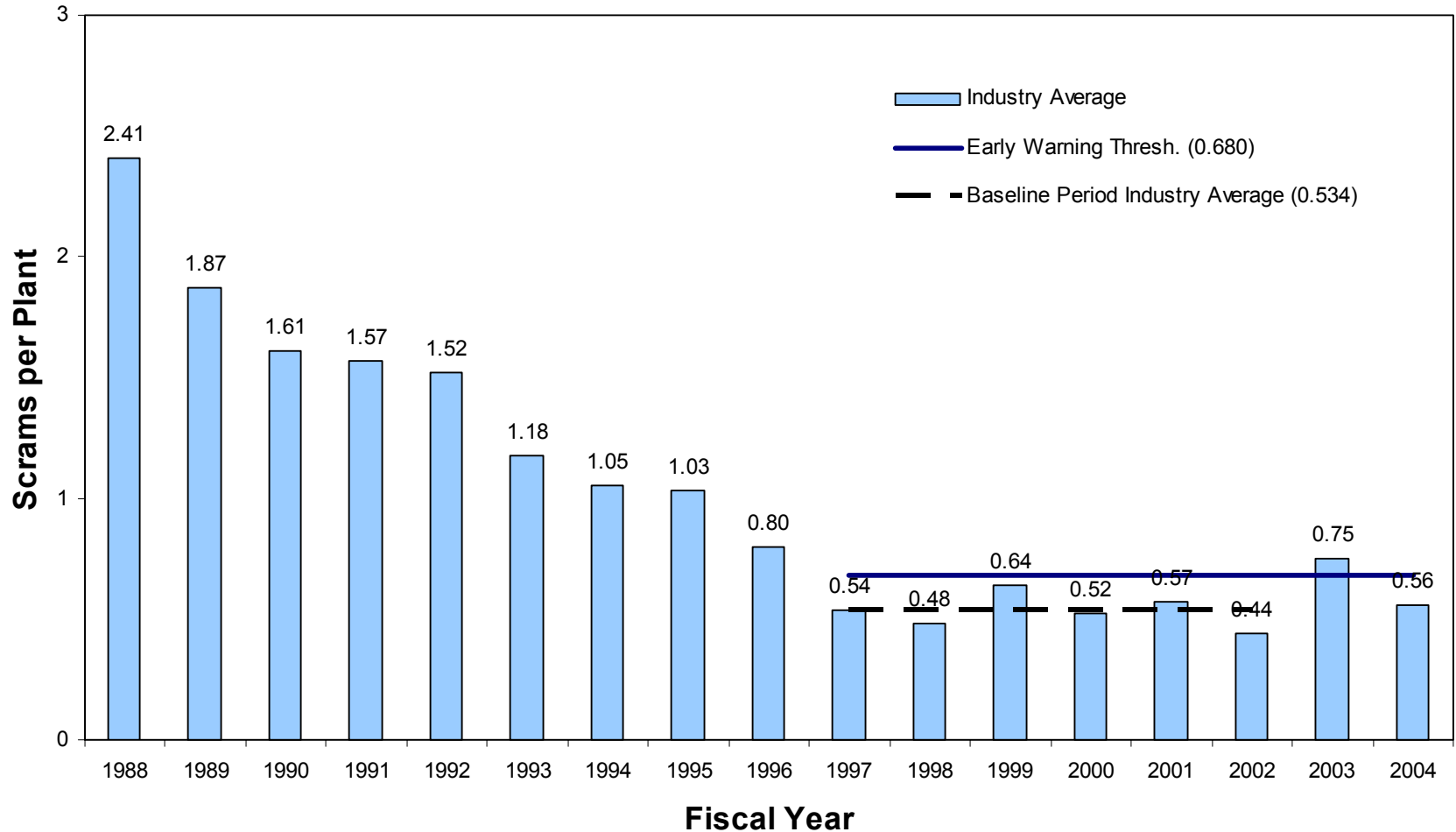
FY 2004 Reactor Safety

Operating Plan Measures Not Met

	Target	Actual
SDP Timeliness (% complete in 90 days)	80%	48.3%
Size of licensing action inventory	1000	1135
Age of licensing action inventory, \leq 1 year	96%	91%
Allegations (days to complete review), \leq 360 days	100%	97.5%

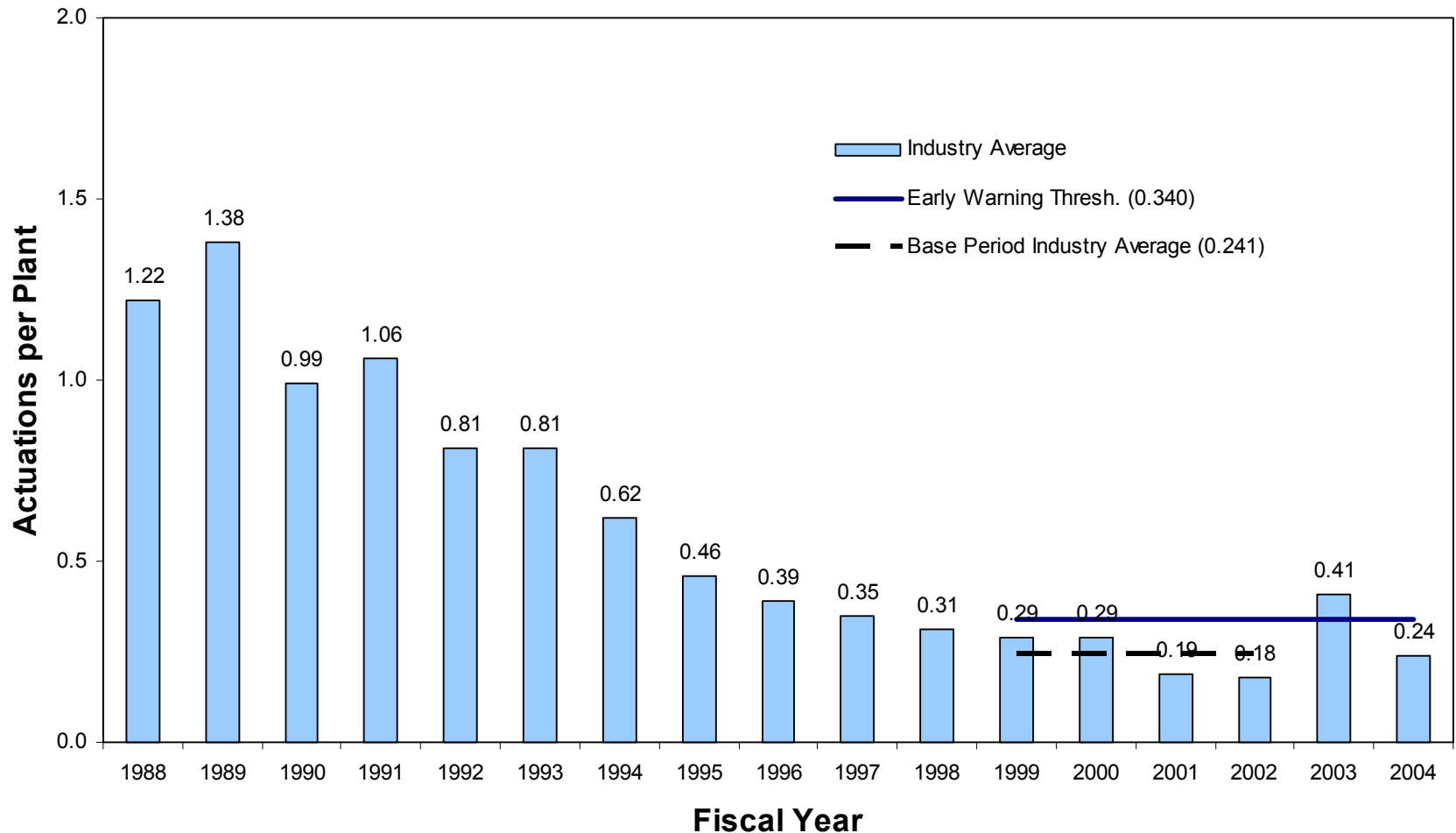
Industry Performance

Automatic Scrams While Critical



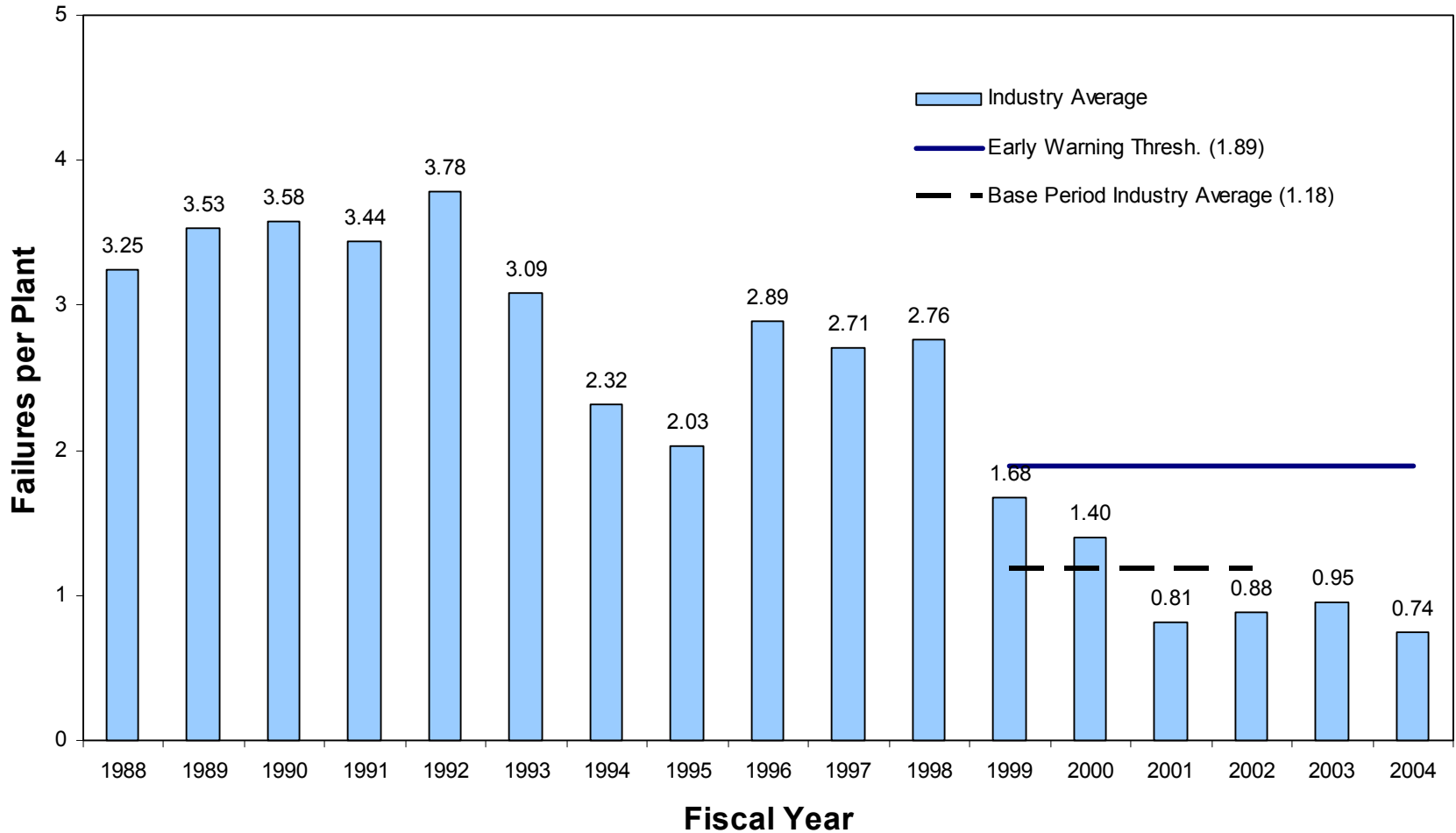
Industry Performance

Safety System Actuations



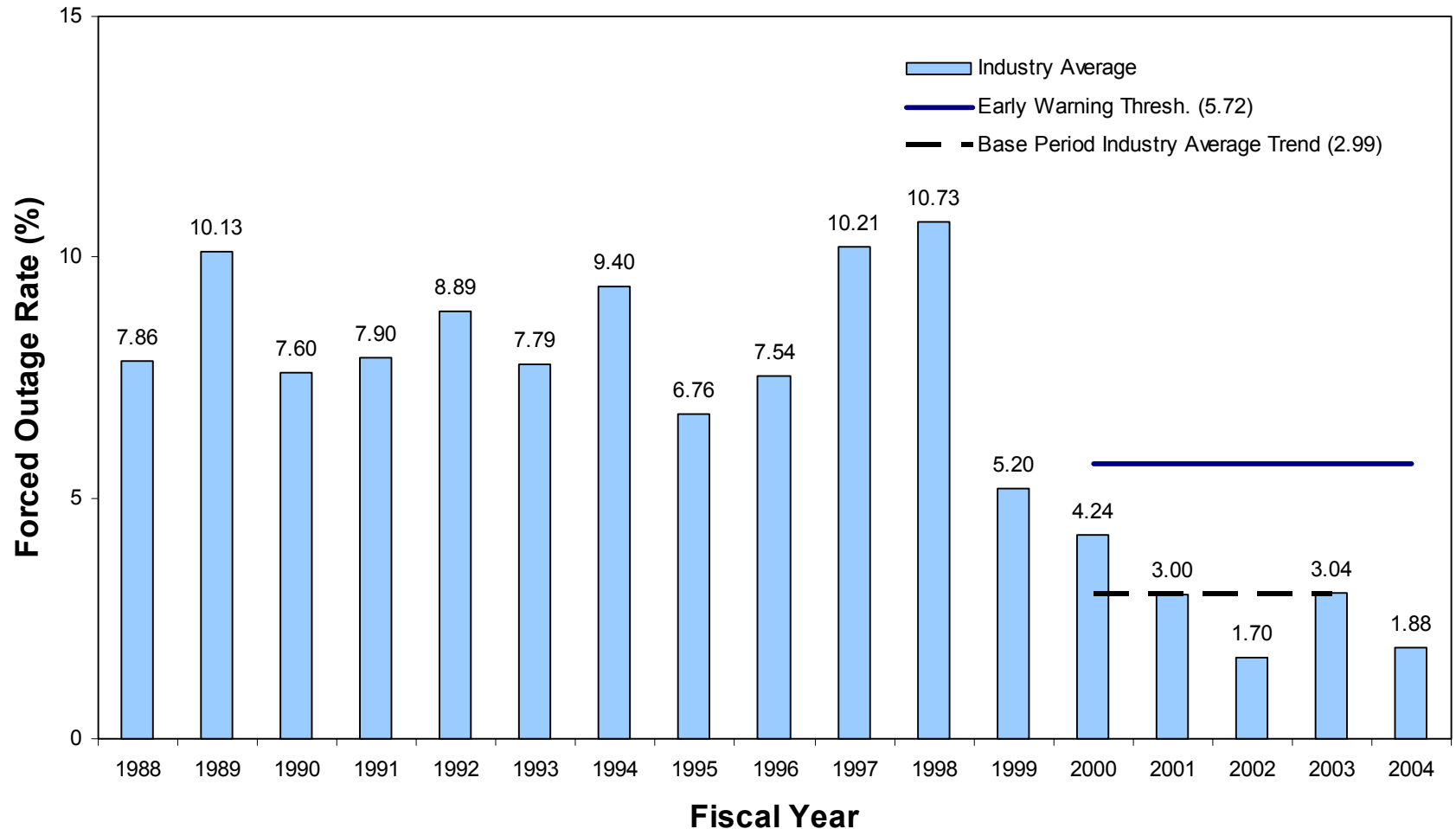
Industry Performance

Safety System Failures



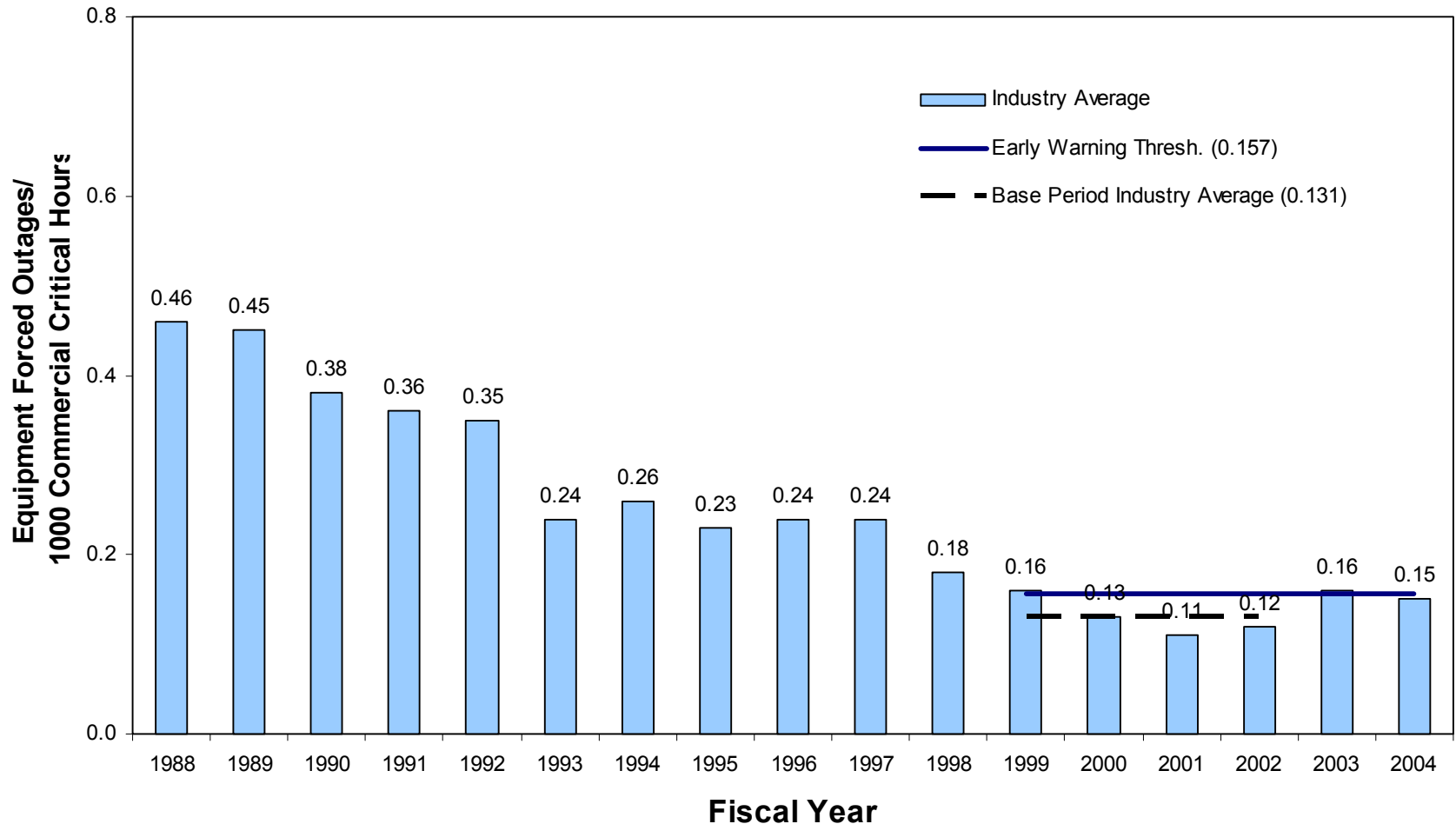
Industry Performance

Forced Outage Rate (%)



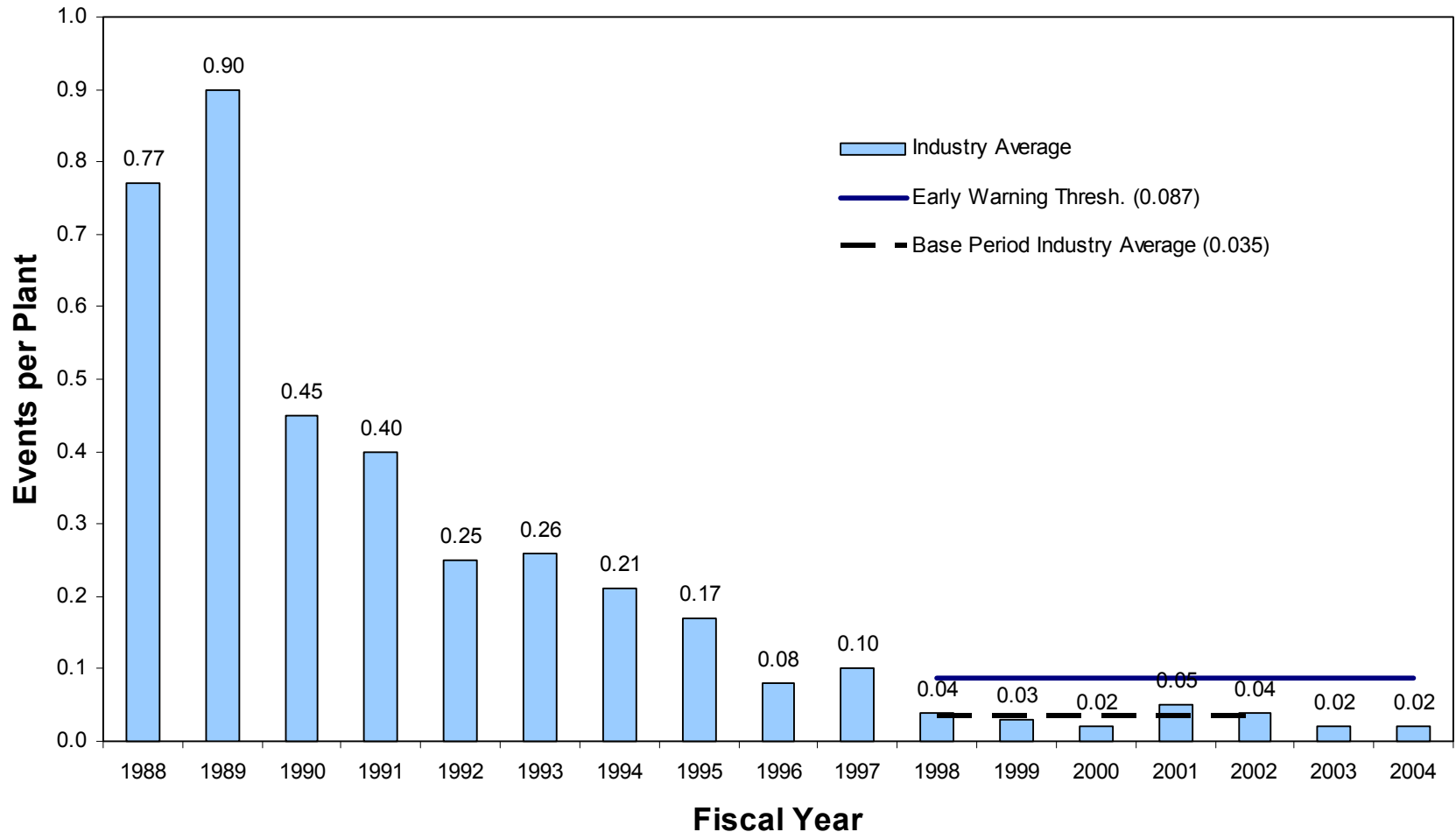
Industry Performance

Equipment Forced Outages/ 1000 Commercial Critical Hours



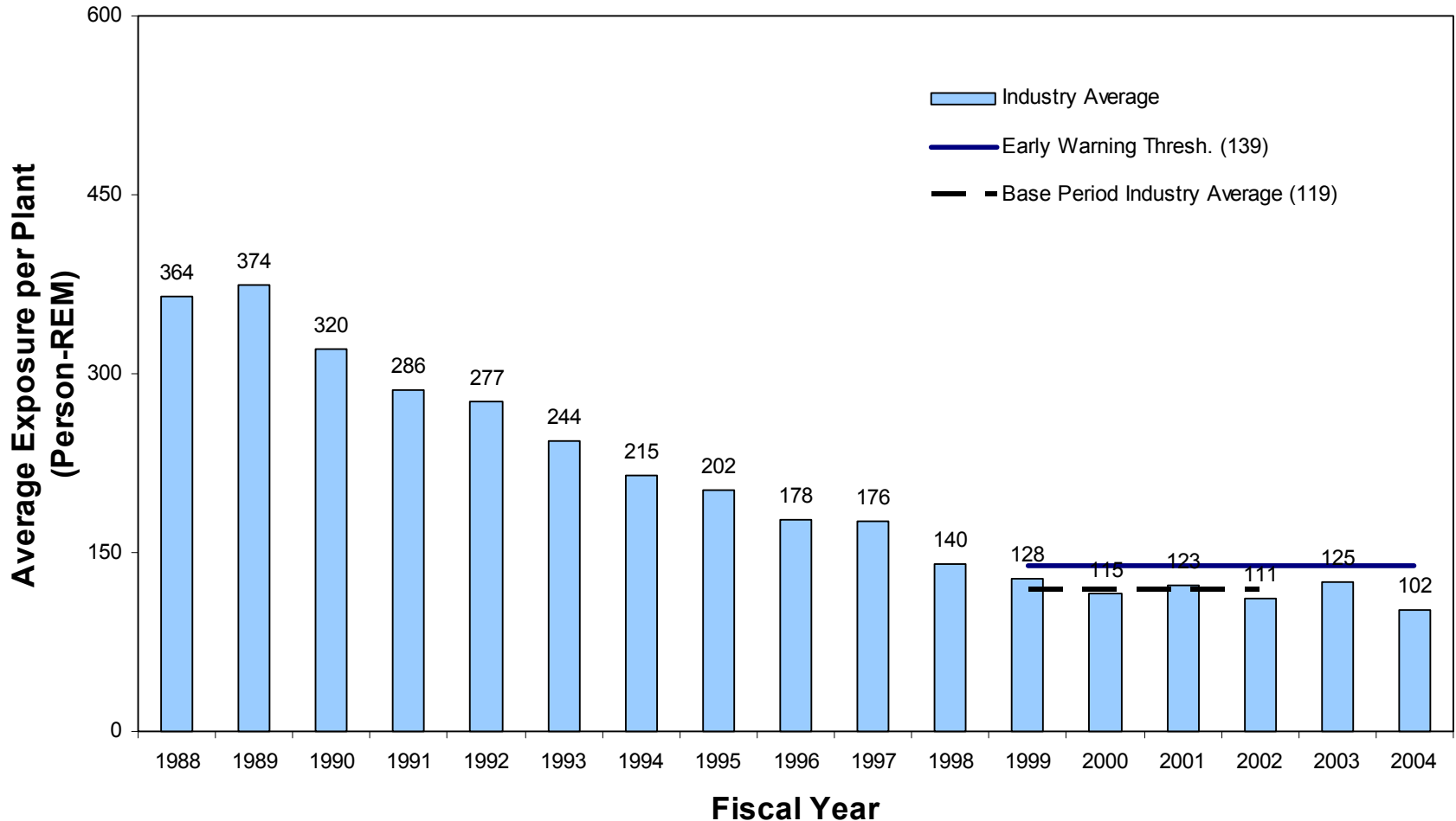
Industry Performance

Significant Events



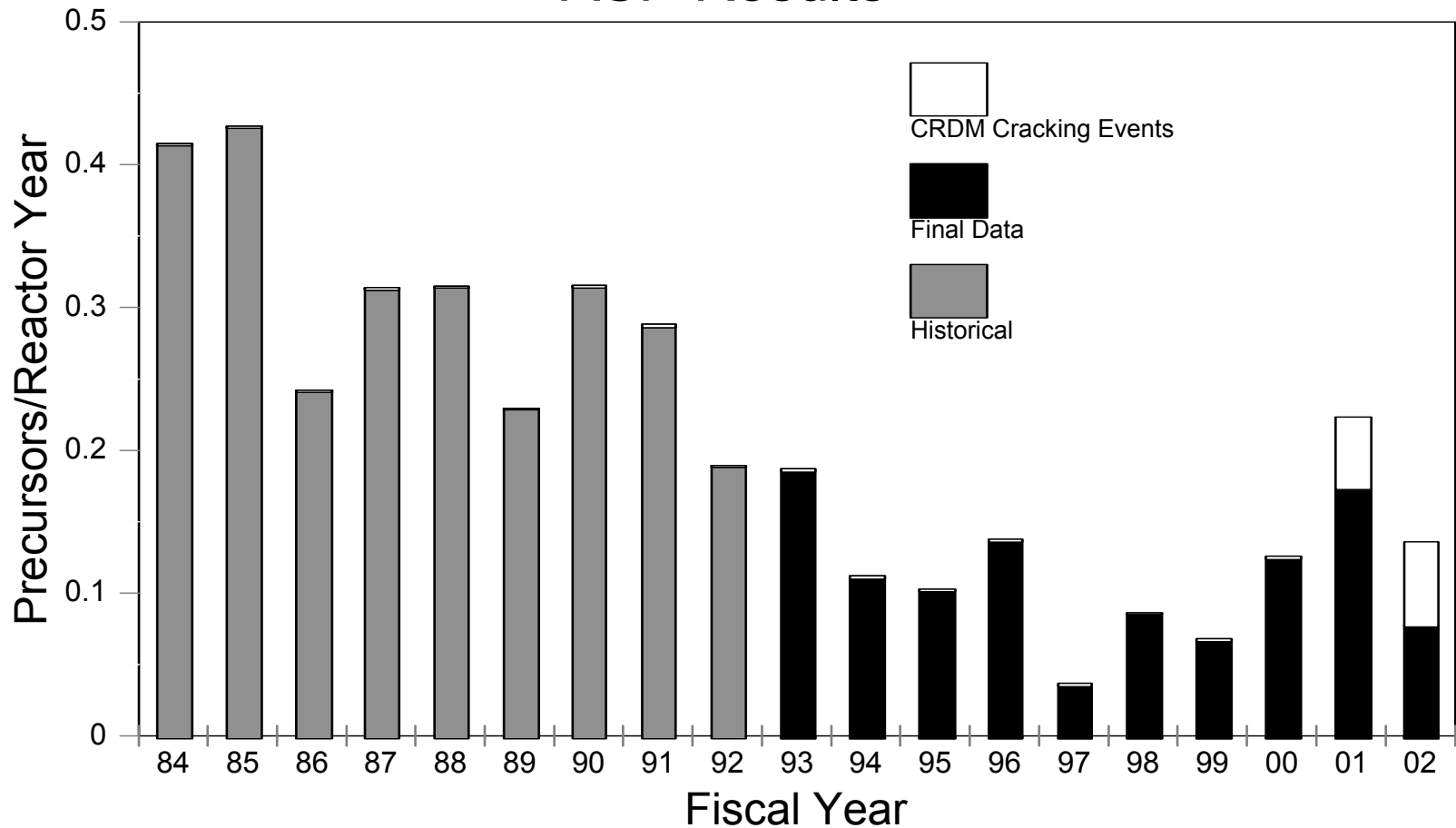
Industry Performance

Collective Radiation Exposure



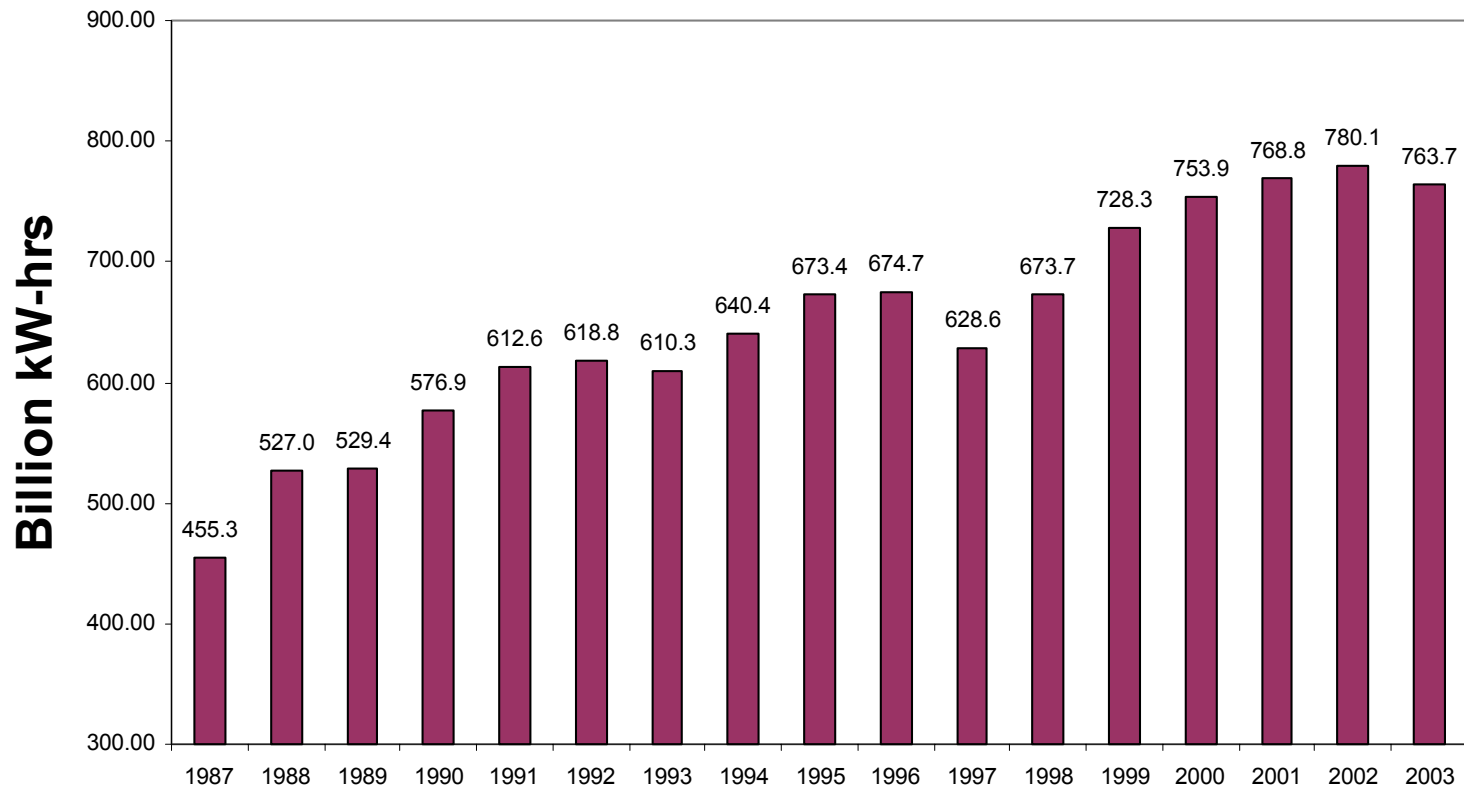
Industry Performance

ASP Results



Other Industry Performance Information

Nuclear Power Generation

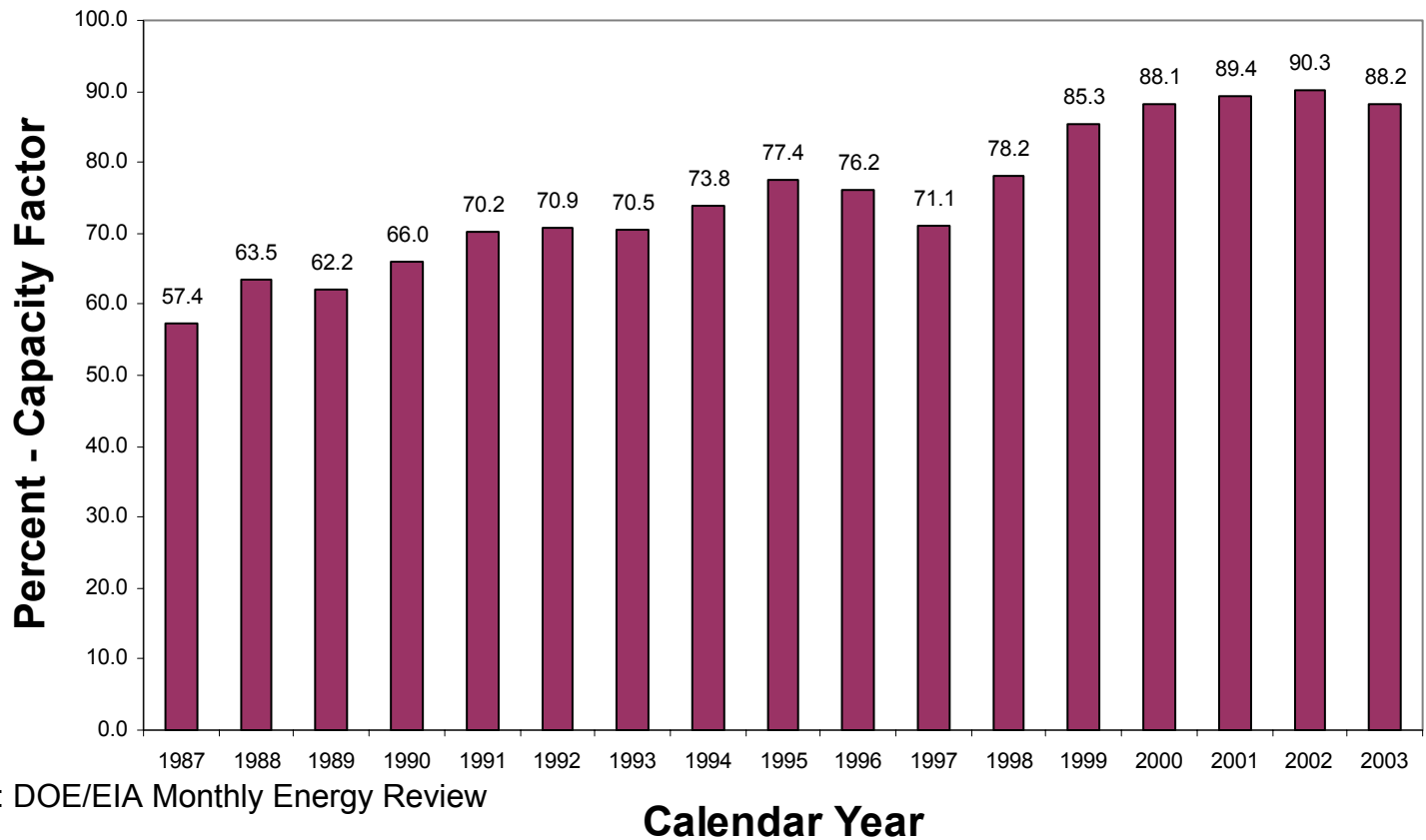


Source: DOE/EIA Monthly Energy Review

Calendar Year

Other Industry Performance Information

Average Capacity Factor



Source: DOE/EIA Monthly Energy Review

Concluding Remarks

- Ensuring safety is and will remain the NRC's first priority
- Communicating effectively with all stakeholders is key to success
- NRC continues to strive to make regulatory decisions in an open, efficient, effective, realistic, and timely manner