

RIC 2004

(Session W3)



Regulatory Trends

Jim Dyer, Director

Office of Nuclear Reactor Regulation

March 10, 2004

Overview

- **NRC Performance Goals**
- **NRC Performance Measures**
- **NRC Performance Results**
- **Industry Performance Measures and Results**

NRC Performance Goals

For Fiscal Year 2003:

- **Maintain safety and protect the environment**
- **Increase public confidence**
- **Make NRC activities and decisions more effective, efficient and realistic**
- **Reduce unnecessary regulatory burden on stakeholders**

Measures to maintain safety and protect the environment

- **Industry trends in safety performance**
- **Events identified as significant precursors of nuclear accidents**
- **Radiation overexposures that exceed applicable regulatory limits**
- **Releases from nuclear reactors that exceed the regulatory limits**
- **Physical security breakdowns**

Measures to increase public confidence

- **Milestones relating to information for measuring public confidence**
- **Public outreaches**
- **Agency allegation program effectiveness assessment plan**
- **Issue Directors Decisions under 2.206 within an average of 120 days**

Measures to make NRC activities and decisions more effective, efficient and realistic

- **Milestones in Risk-Informed Regulation Implementation Plan**
- **Complete at least two key process improvements per year**
- **Complete all license renewal application reviews within 30 months**

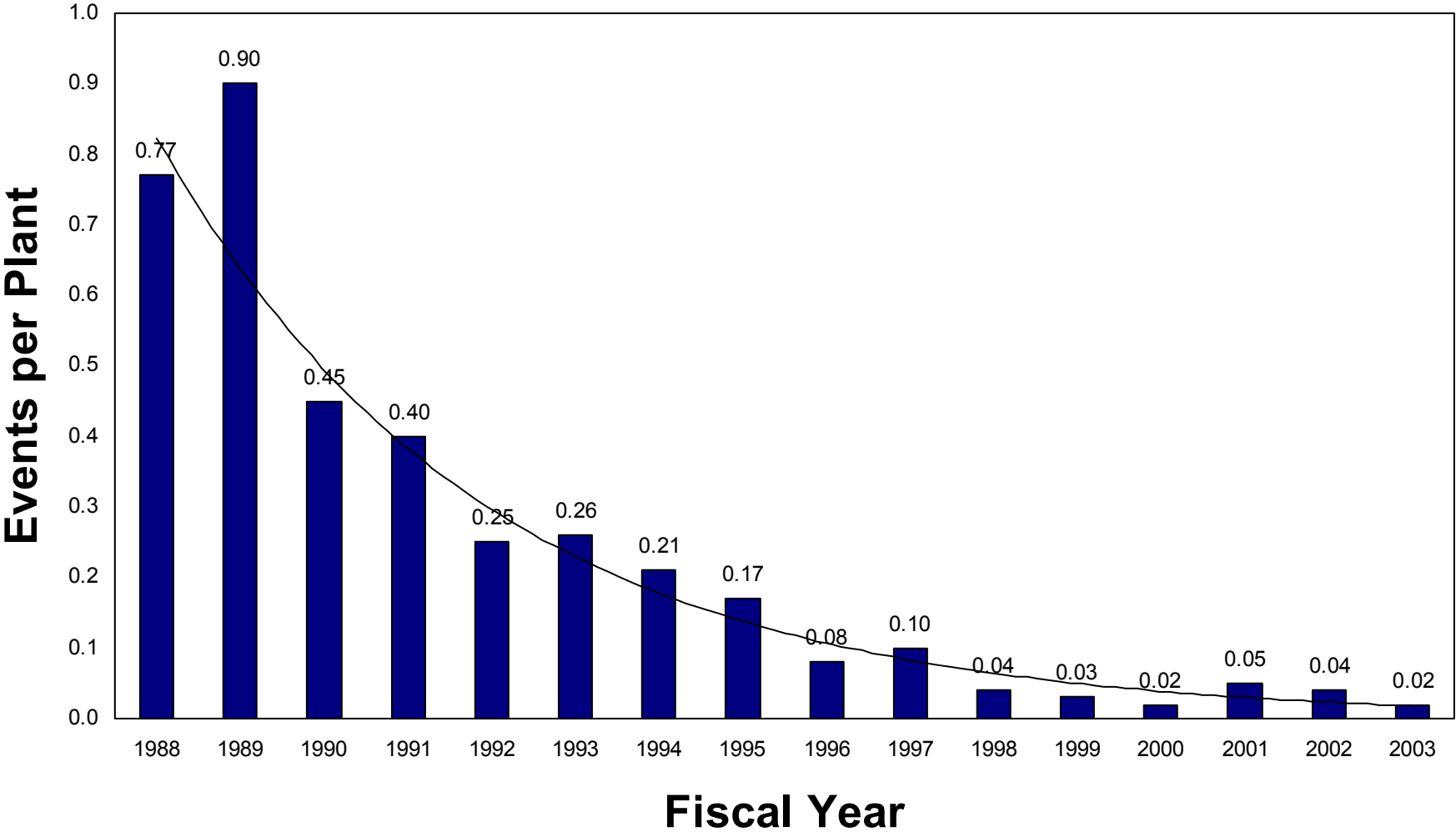
Measures to reduce unnecessary regulatory burden on stakeholders

- **Specific milestones to reduce unnecessary regulatory burden**
 - **Identify activities with greatest impact**

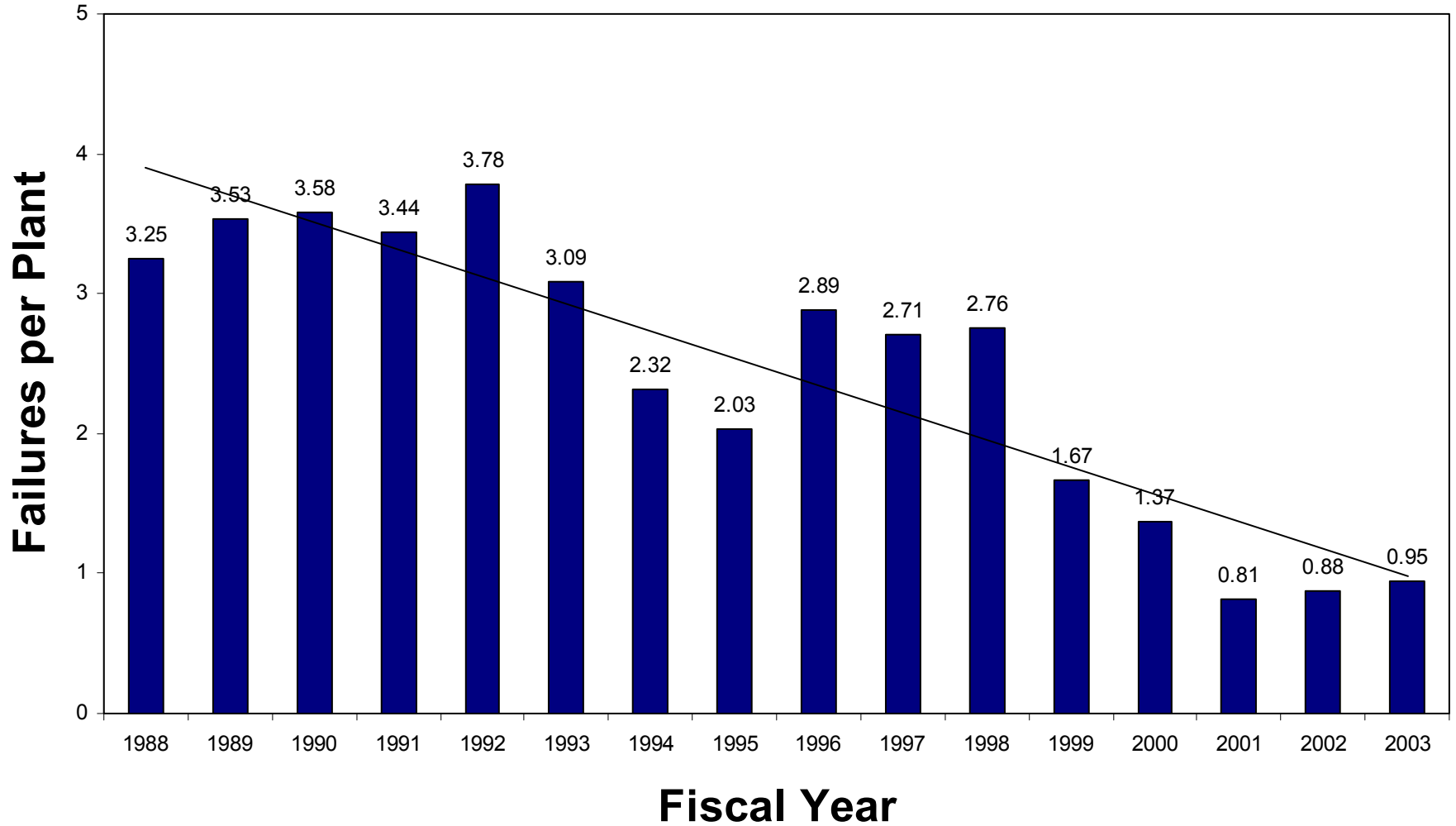
Performance Results

***All NRC reactor safety
arena performance
measure targets were
met in FY 2003.***

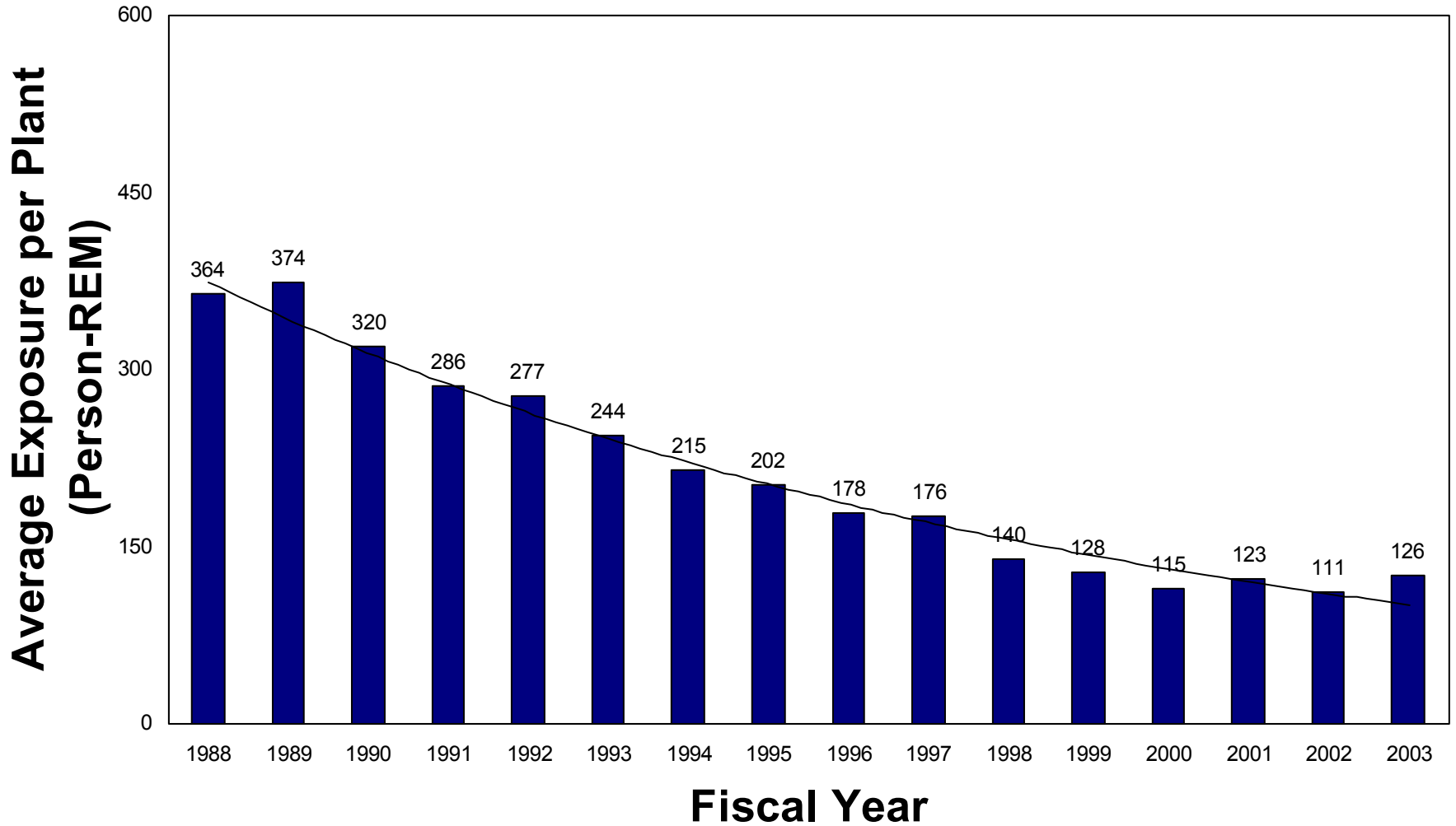
Significant Events



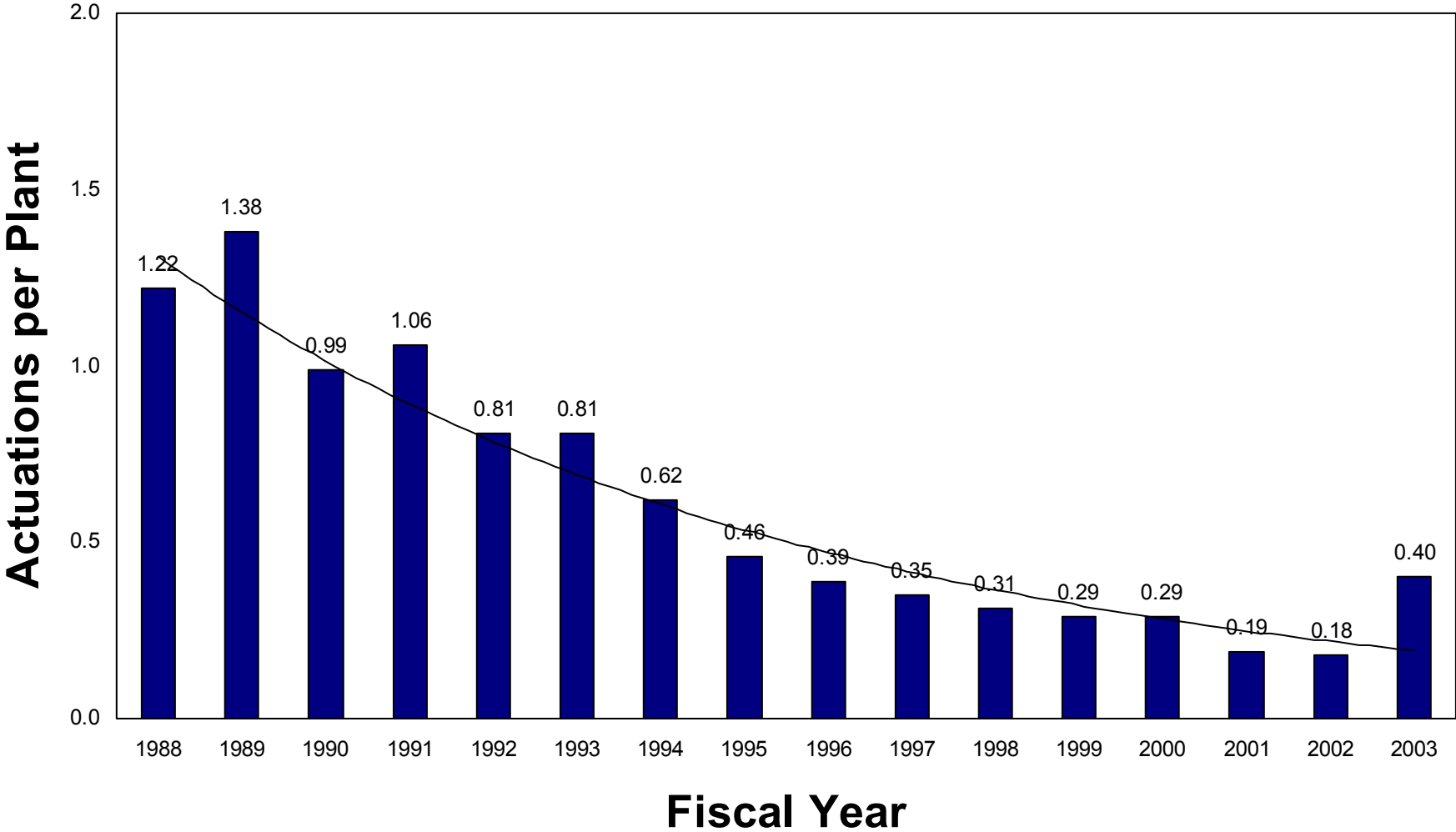
Safety System Failures



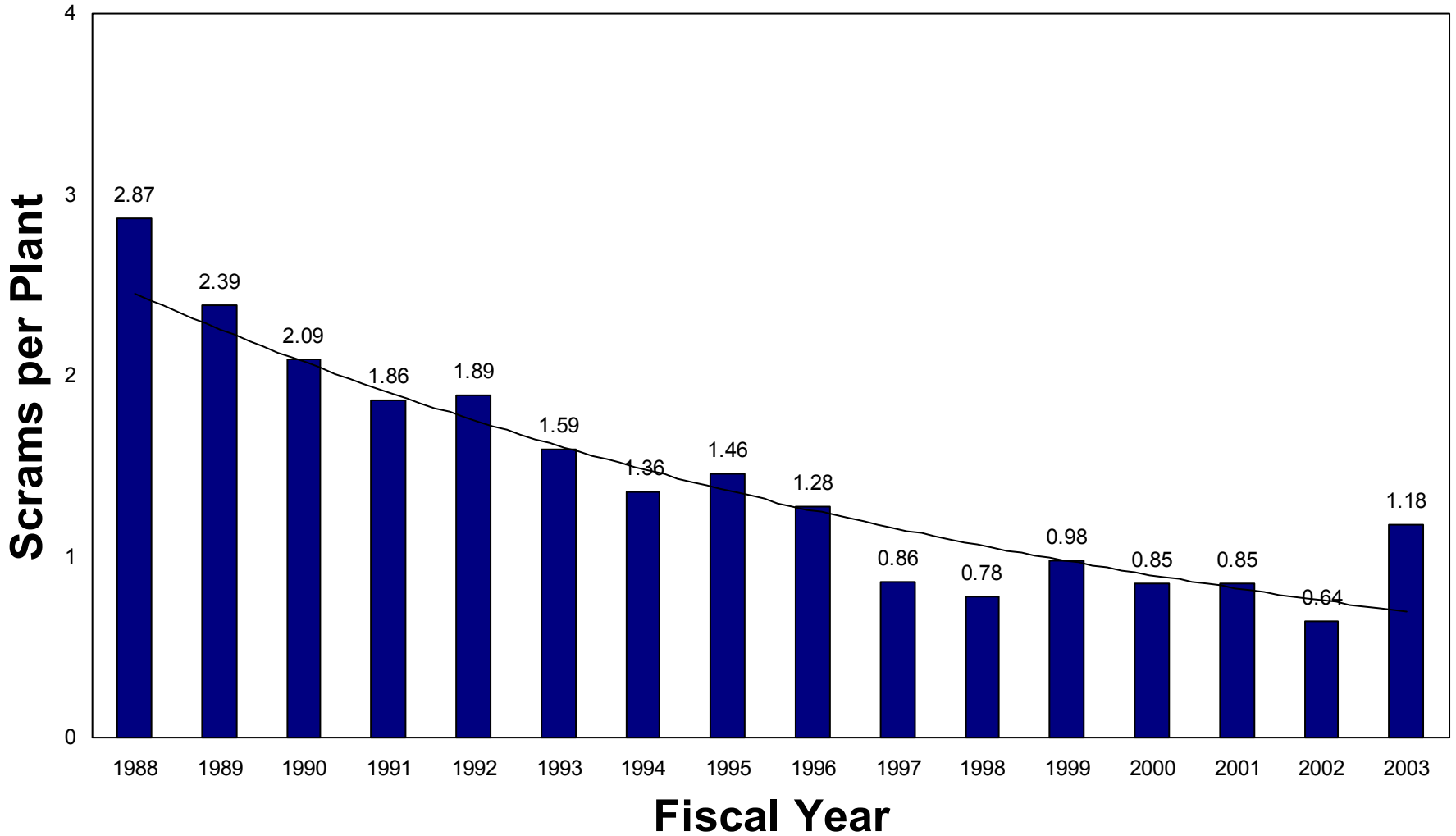
Collective Radiation Exposure



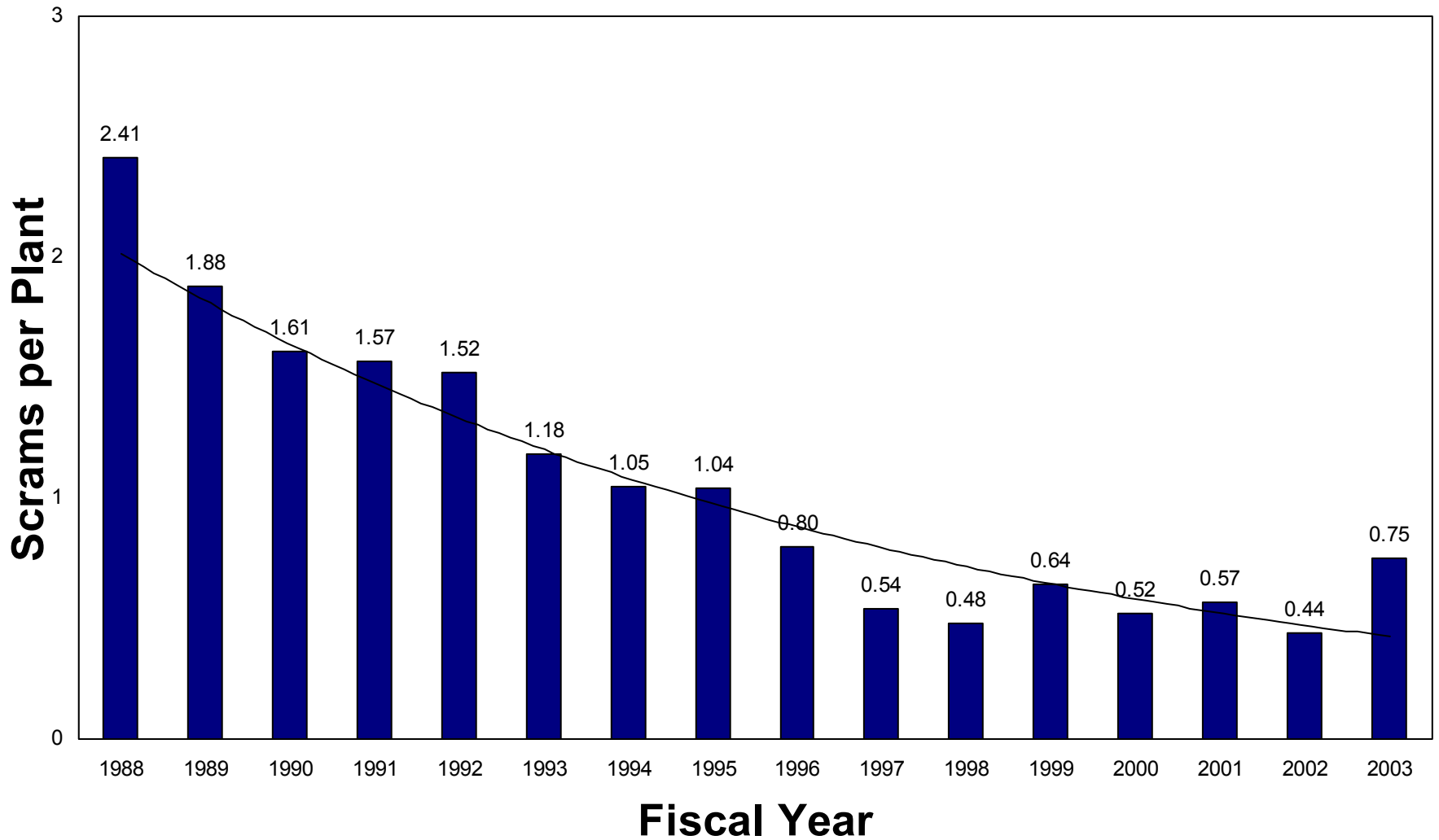
Safety System Actuations



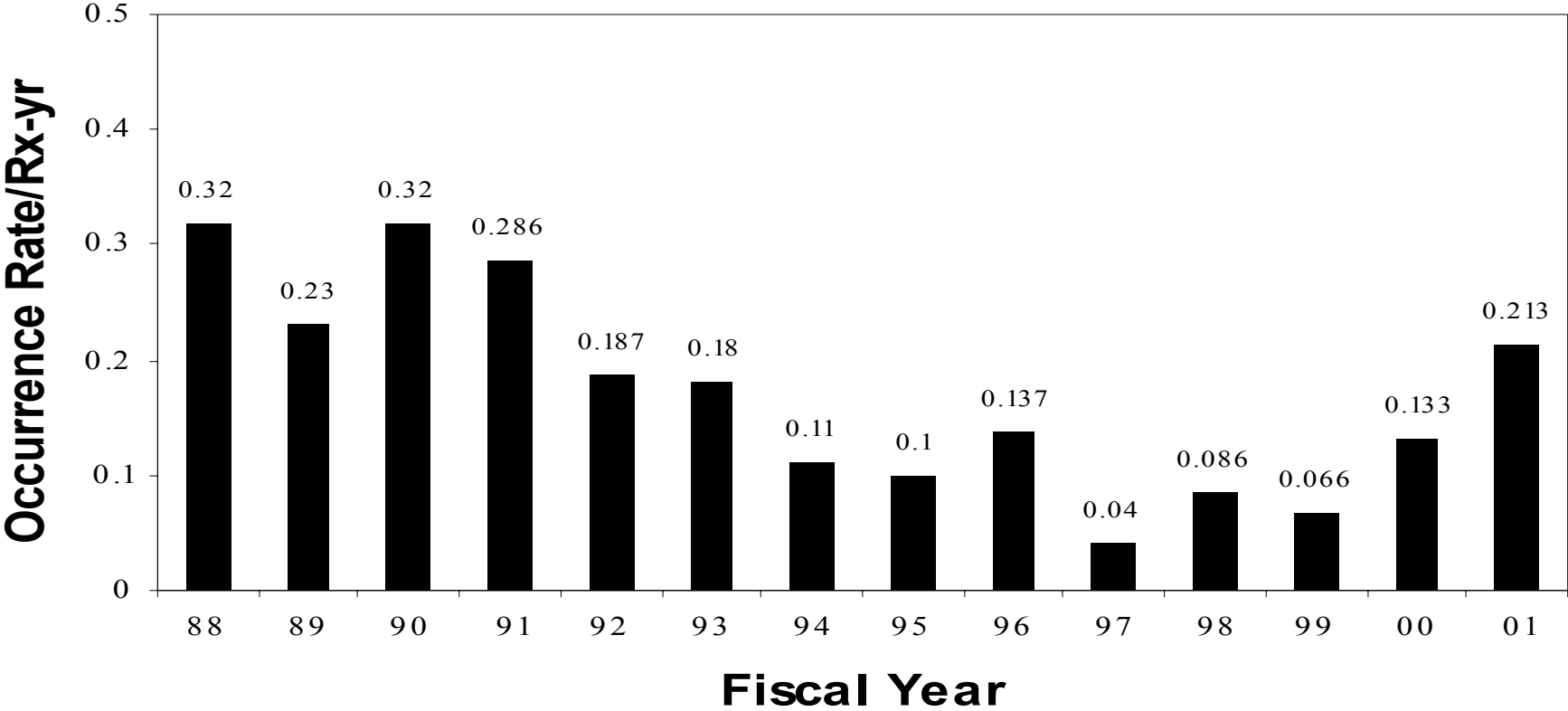
Total Scrams While Critical



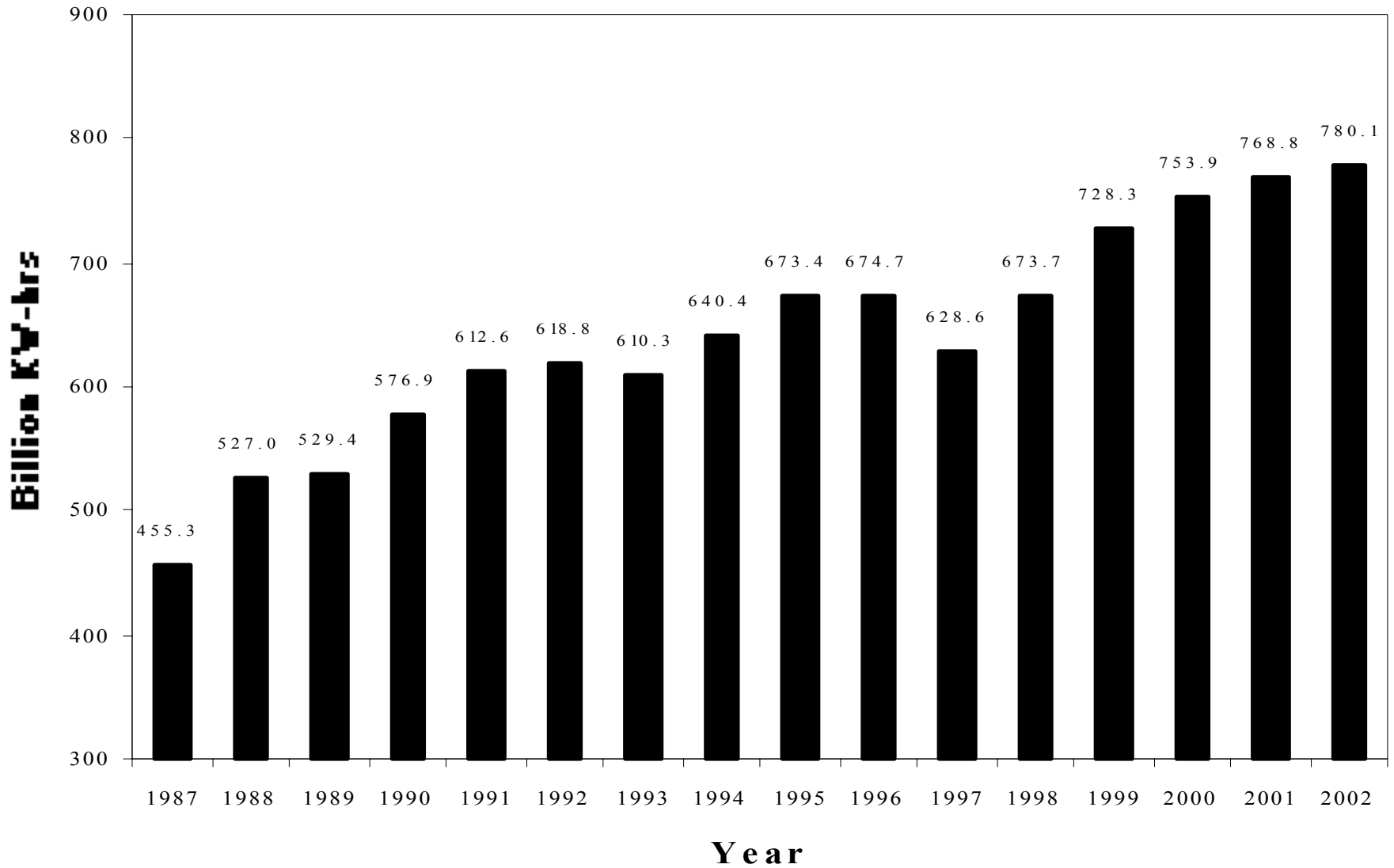
Automatic Scrams While Critical



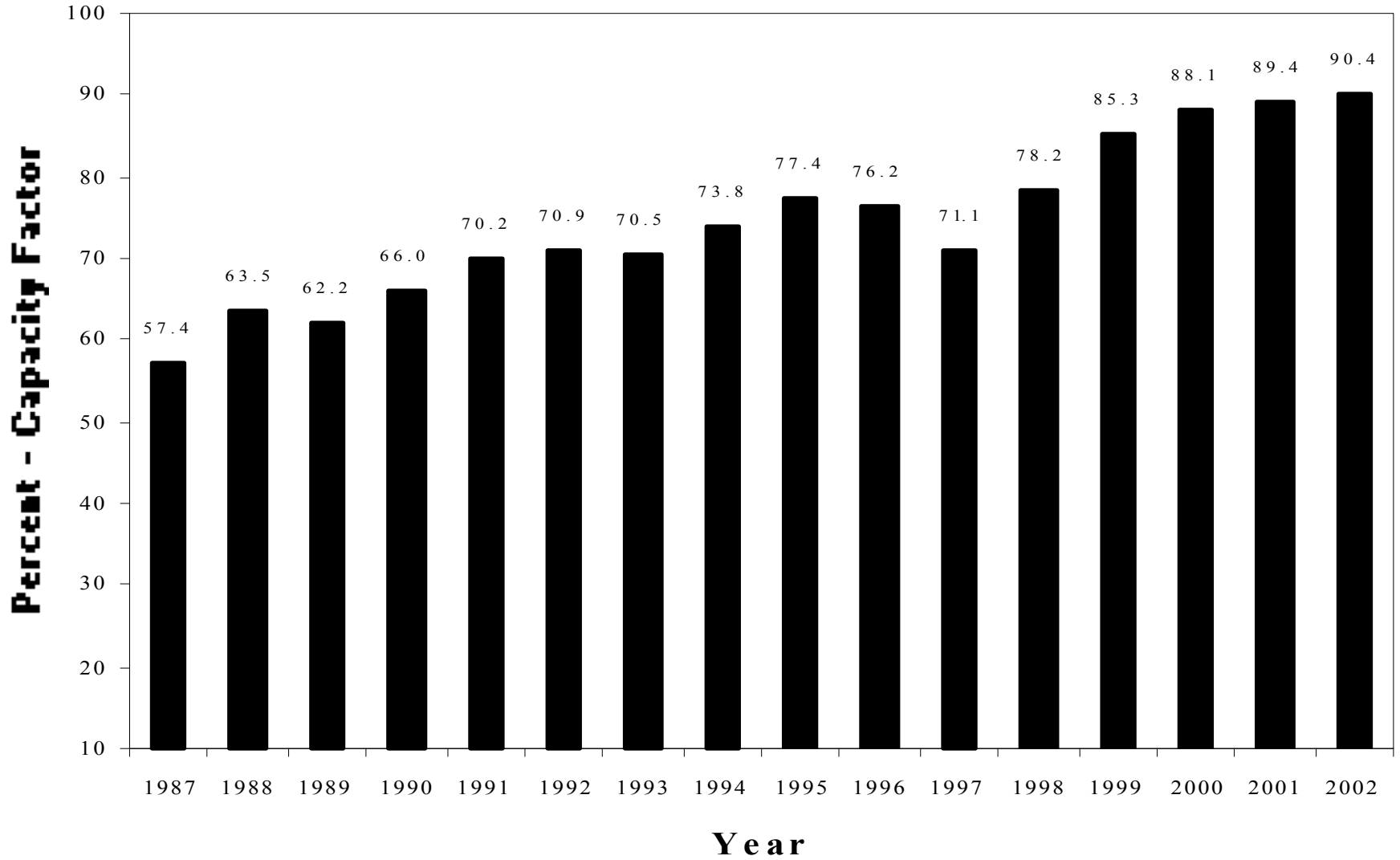
Precursor Occurrence Rate



Nuclear Power Generation



Average Capacity Factor



Results Summary

- **Combined effort of licensees and NRC to improve safety must continue to ensure no adverse trends occur.**
- **External stakeholders have had valuable input to our processes – contributing to improved performance as a regulator**

What's Next...

- **New Strategic Plan**
- **New Goals and Measures**
- **Continued focus on safety and security as our primary goal.**