

RIC 2002

(Session Th 1)



Regulatory Trends

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Office of Nuclear Reactor Regulation

March 7, 2002

Overview

- **NRC Performance Goals**
- **Reactor Arena Performance Measures**
- **Performance Results – Regulator**
- **Performance Results – Industry**
- **The Future**
- **Introduction of Regional Breakout Sessions**

NRC Performance Goals

Additional stability for the agency is provided by continuous focus on, and evaluating new challenges against our performance goals:

- **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**

Performance Measures

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

Performance Measures

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

Performance Measures

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**

Performance Measures

Reduce unnecessary regulatory burden on stakeholders

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

Performance Results - Regulator (Reactor Safety Arena)

For each of the four performance goals:

- All performance goal measure targets were met

Performance Results - Industry

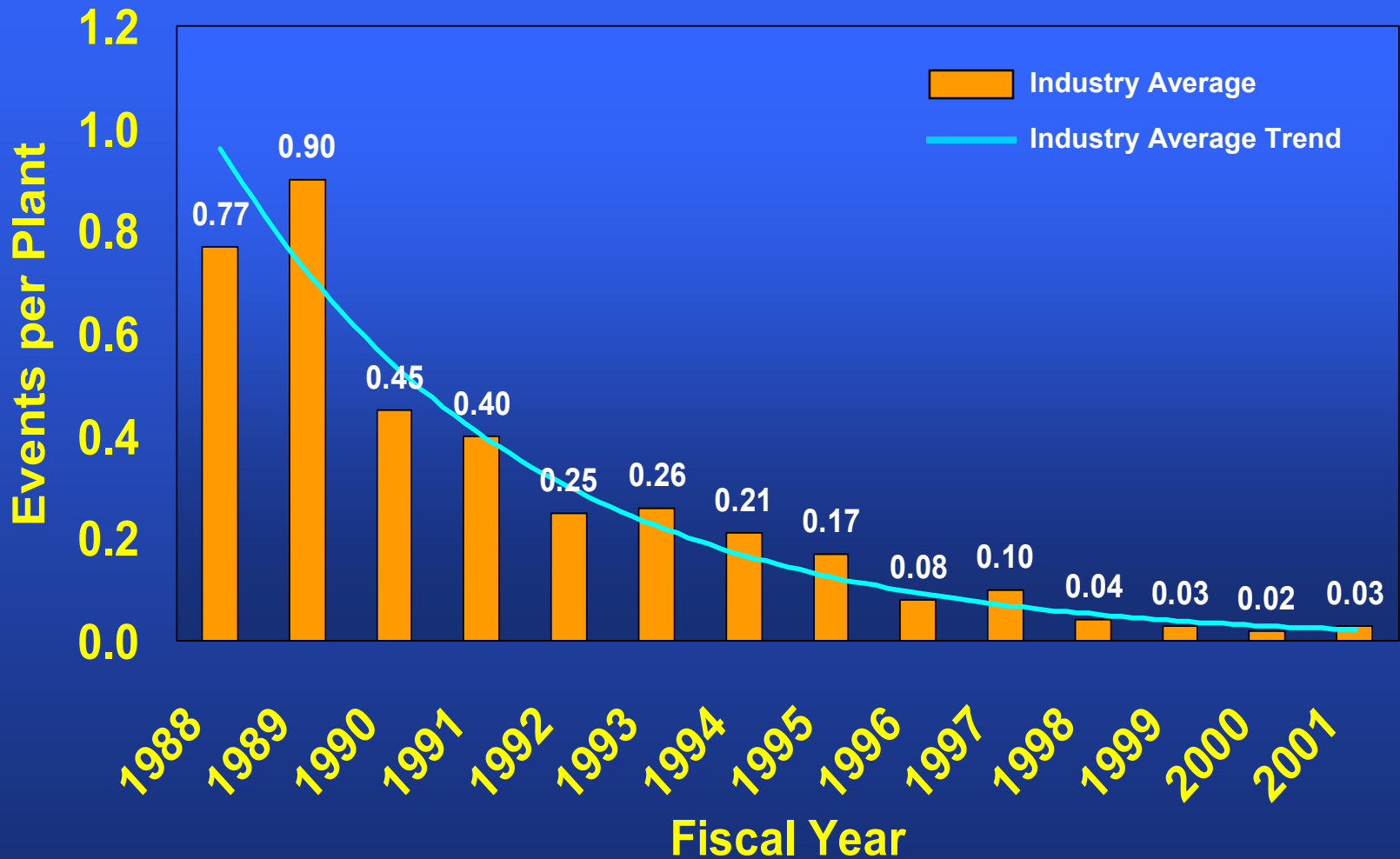
Industry-level performance indicators:

- Significant improvement in performance over past decade

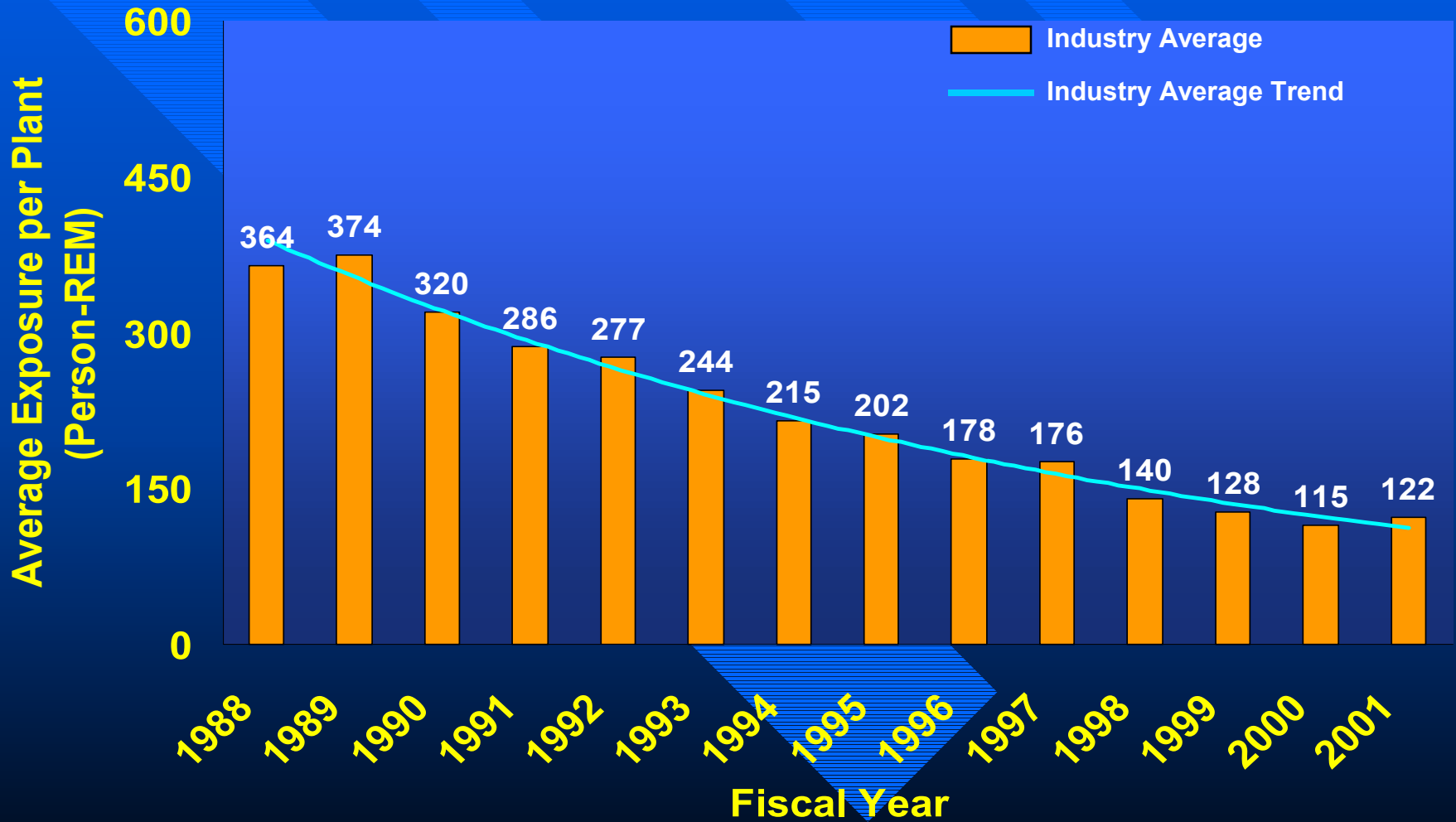
Individual plant performance:

- Trending by Reactor Oversight Process results

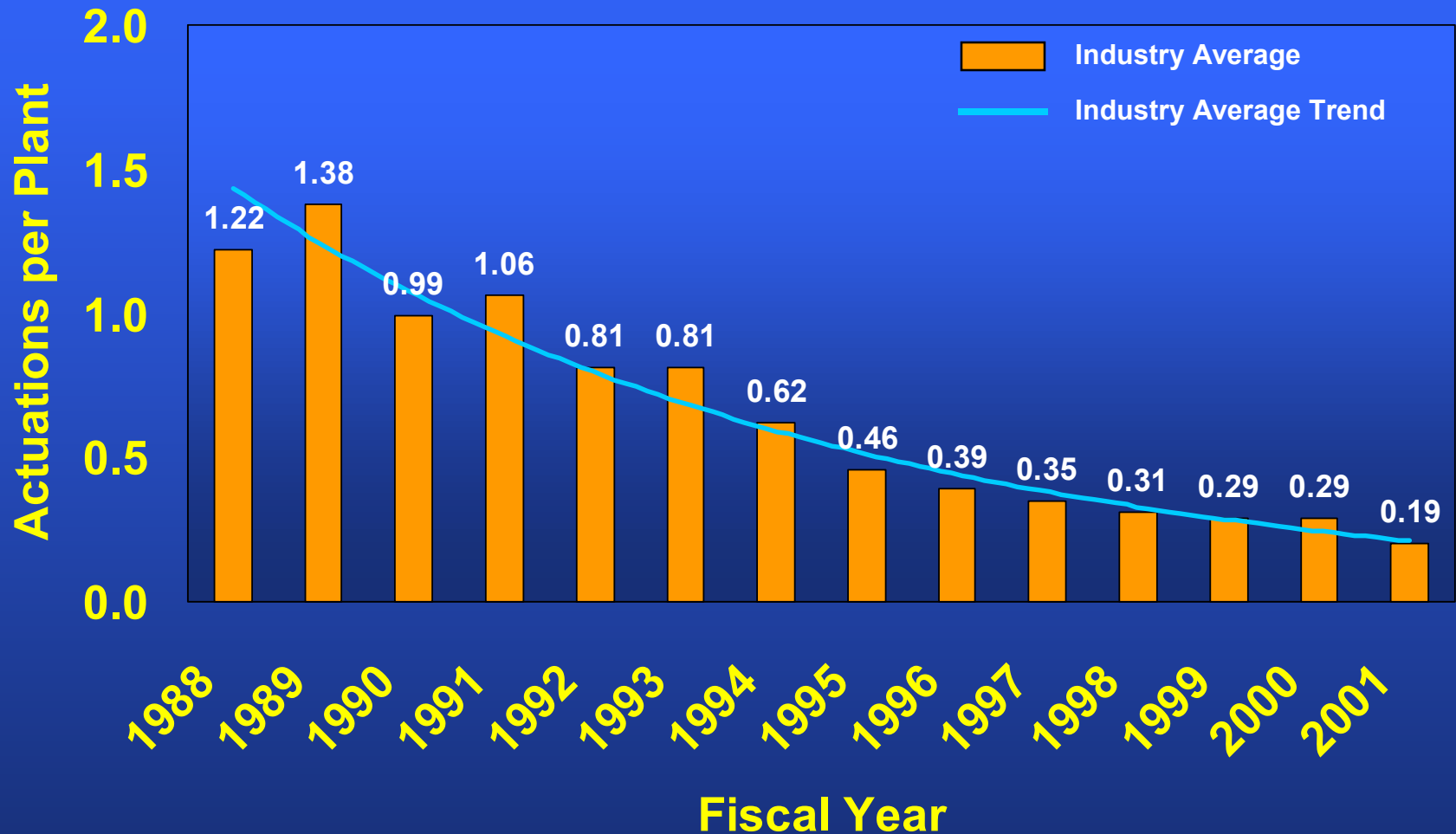
Significant Events



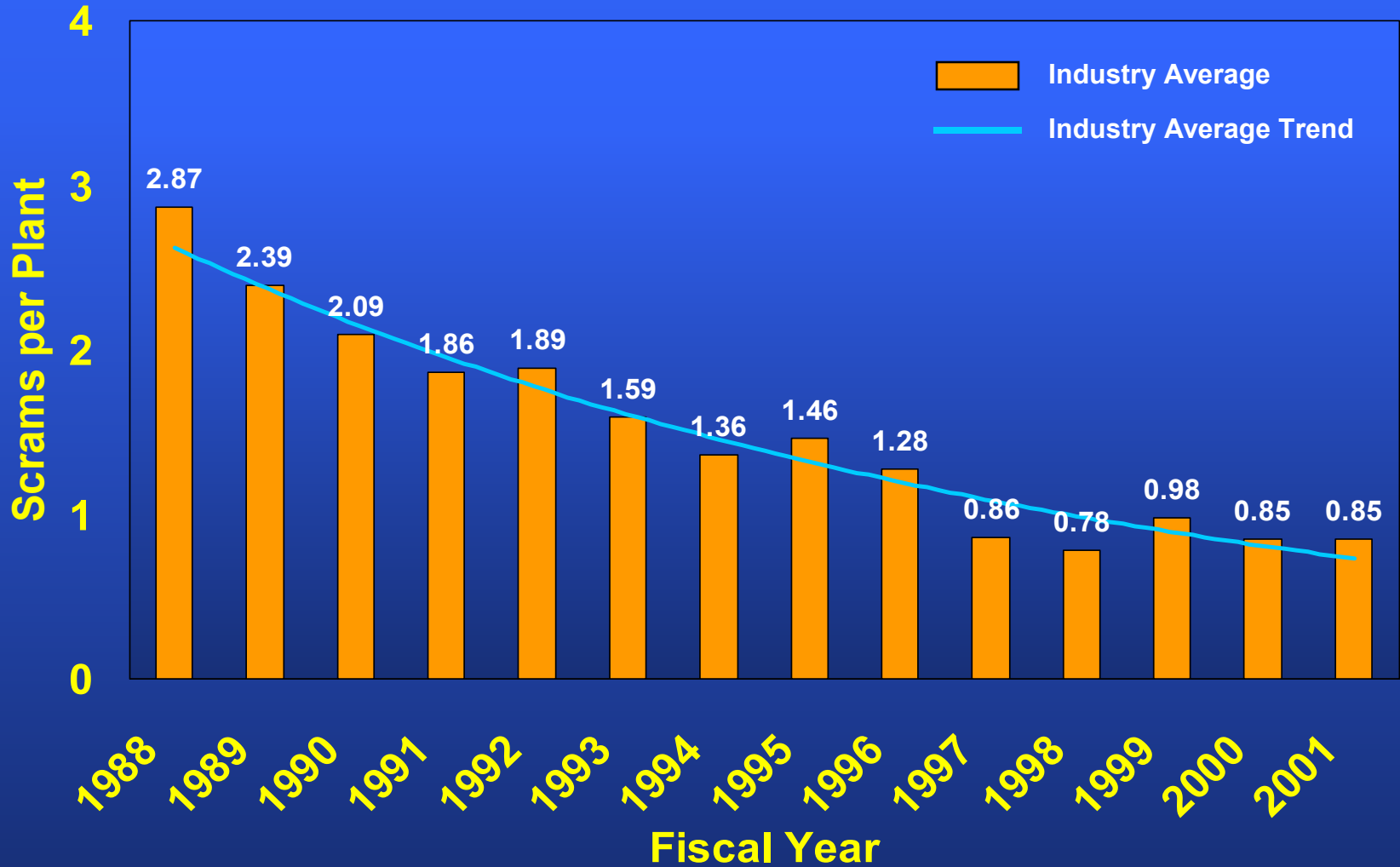
Collective Radiation Exposure



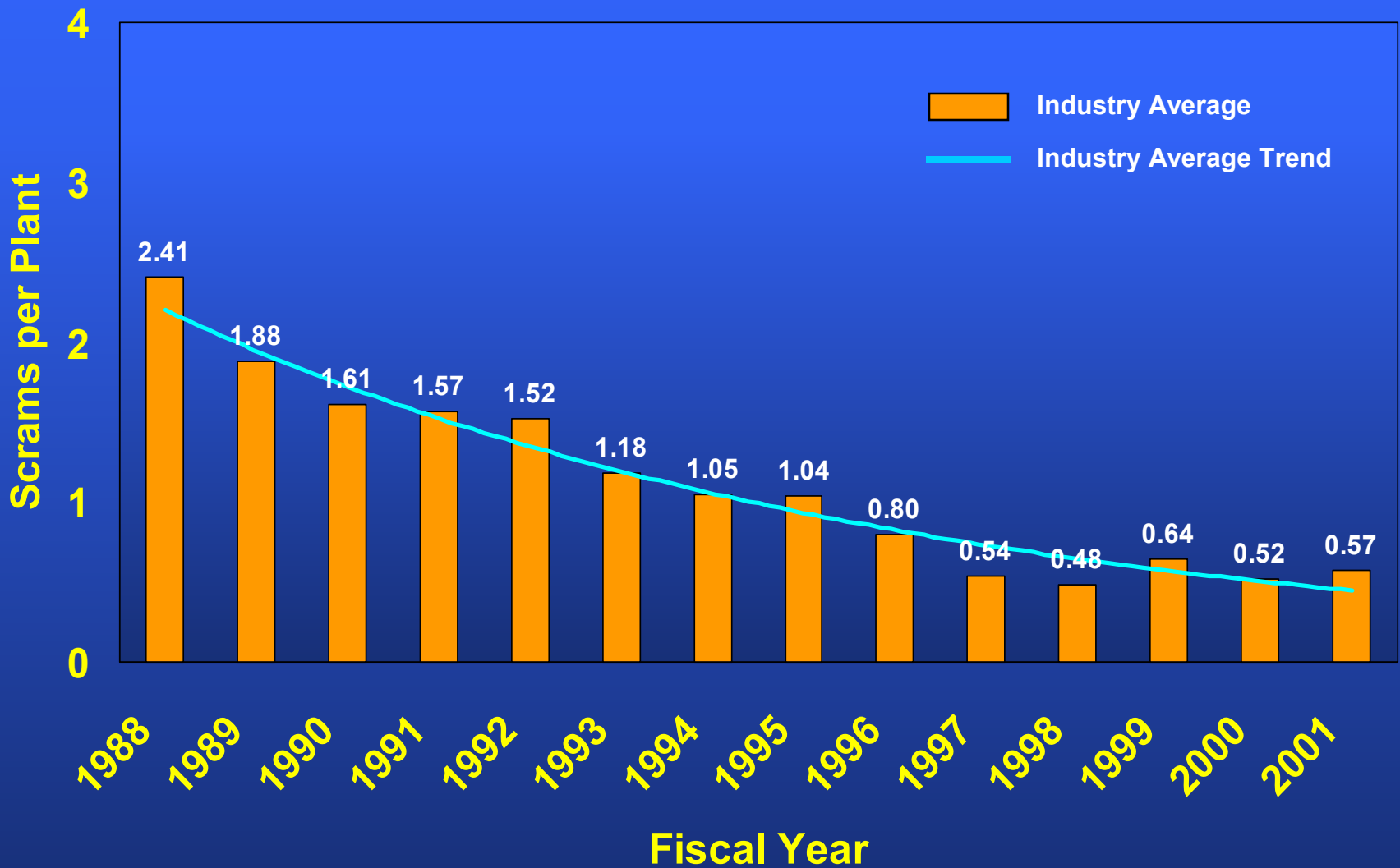
Safety System Actuations



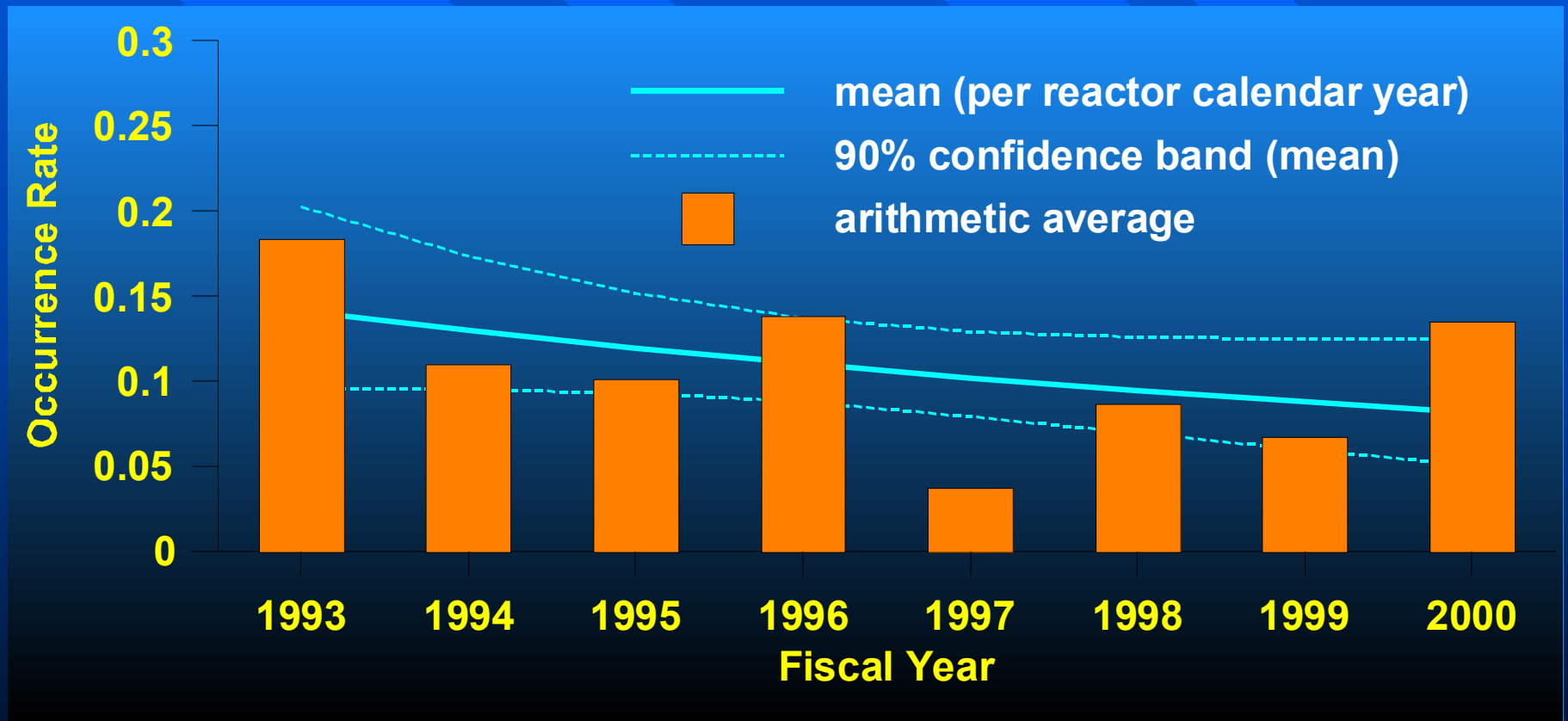
Total Scrams While Critical



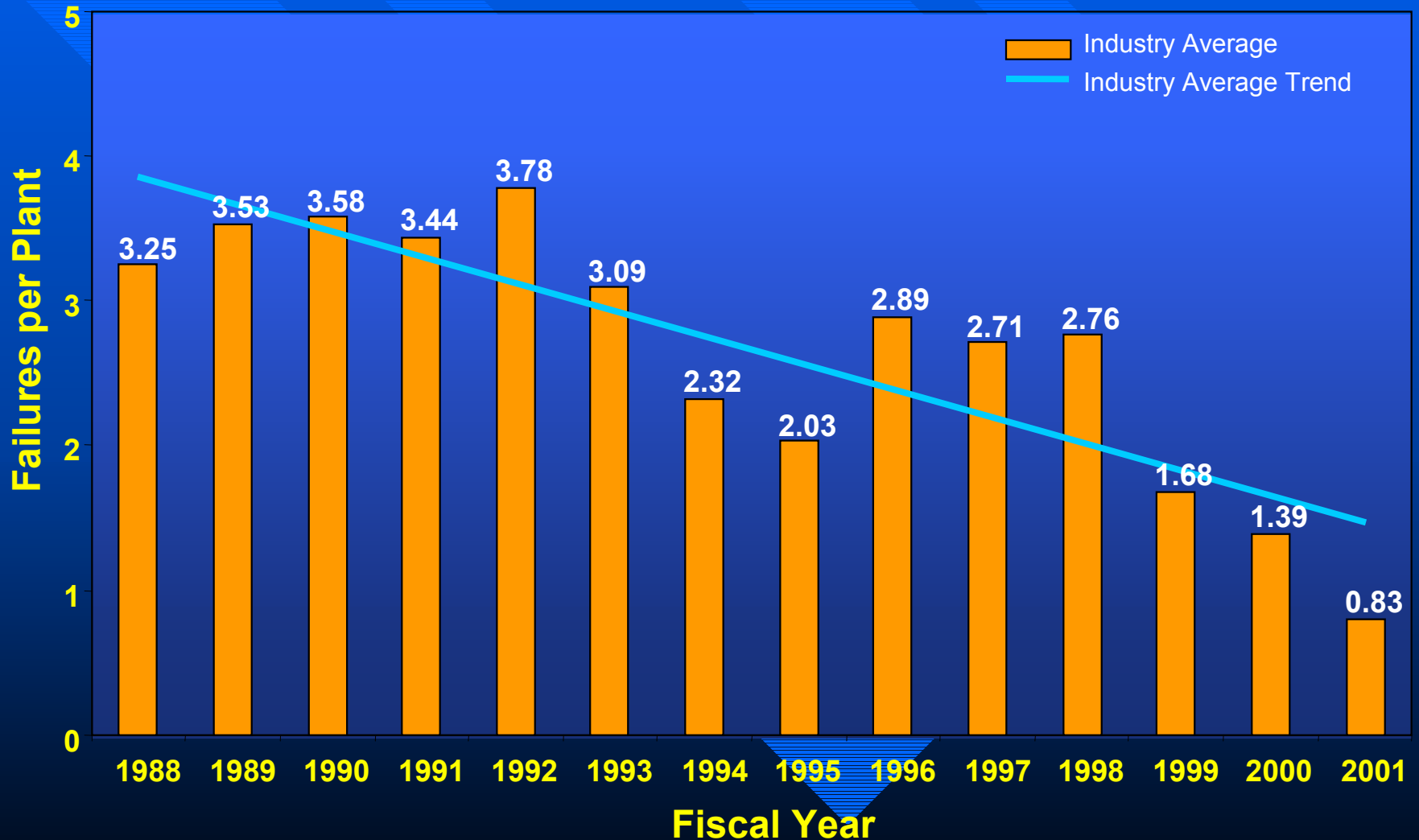
Automatic Scrams While Critical



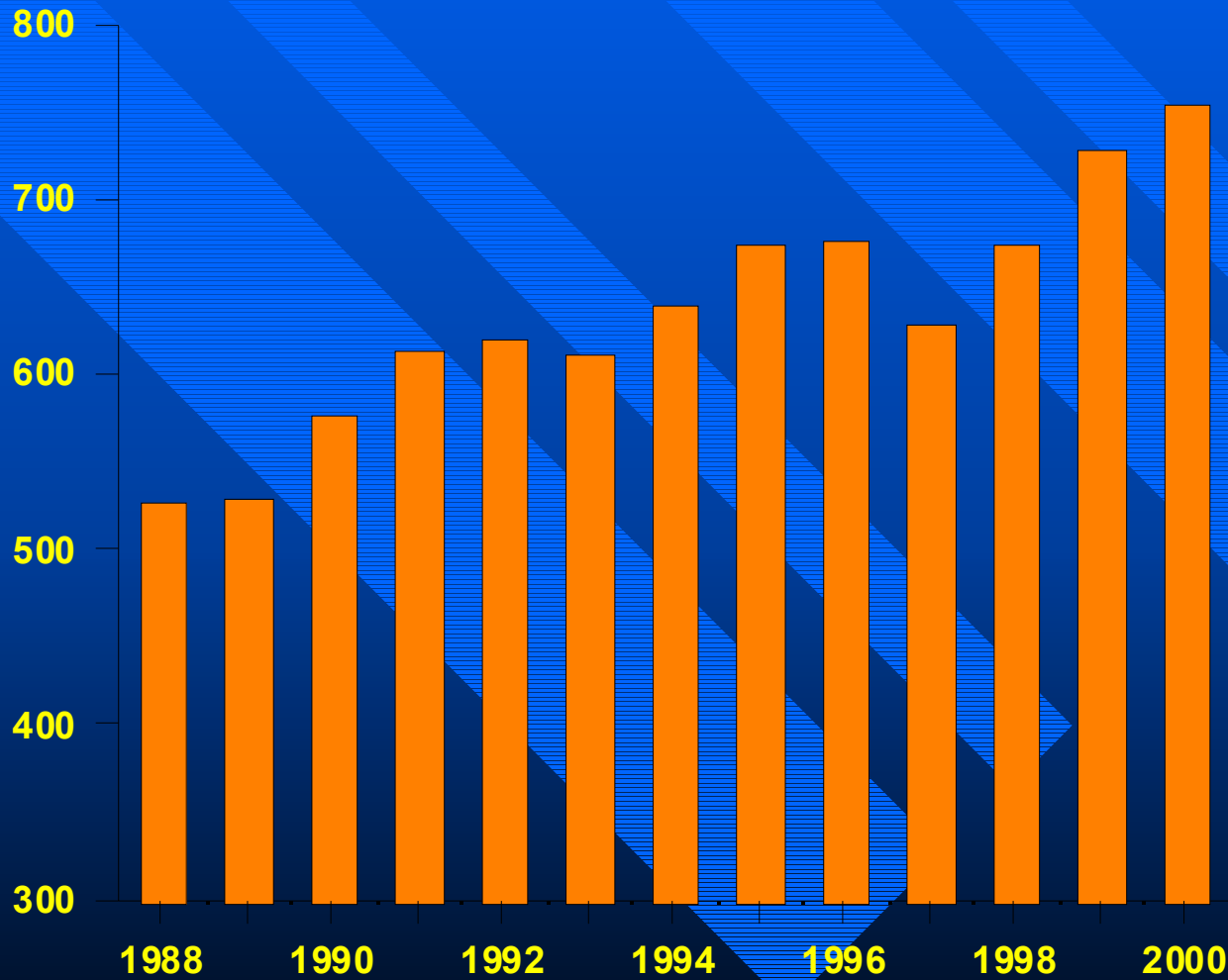
Precursor Occurrence Rate



Safety System Failures

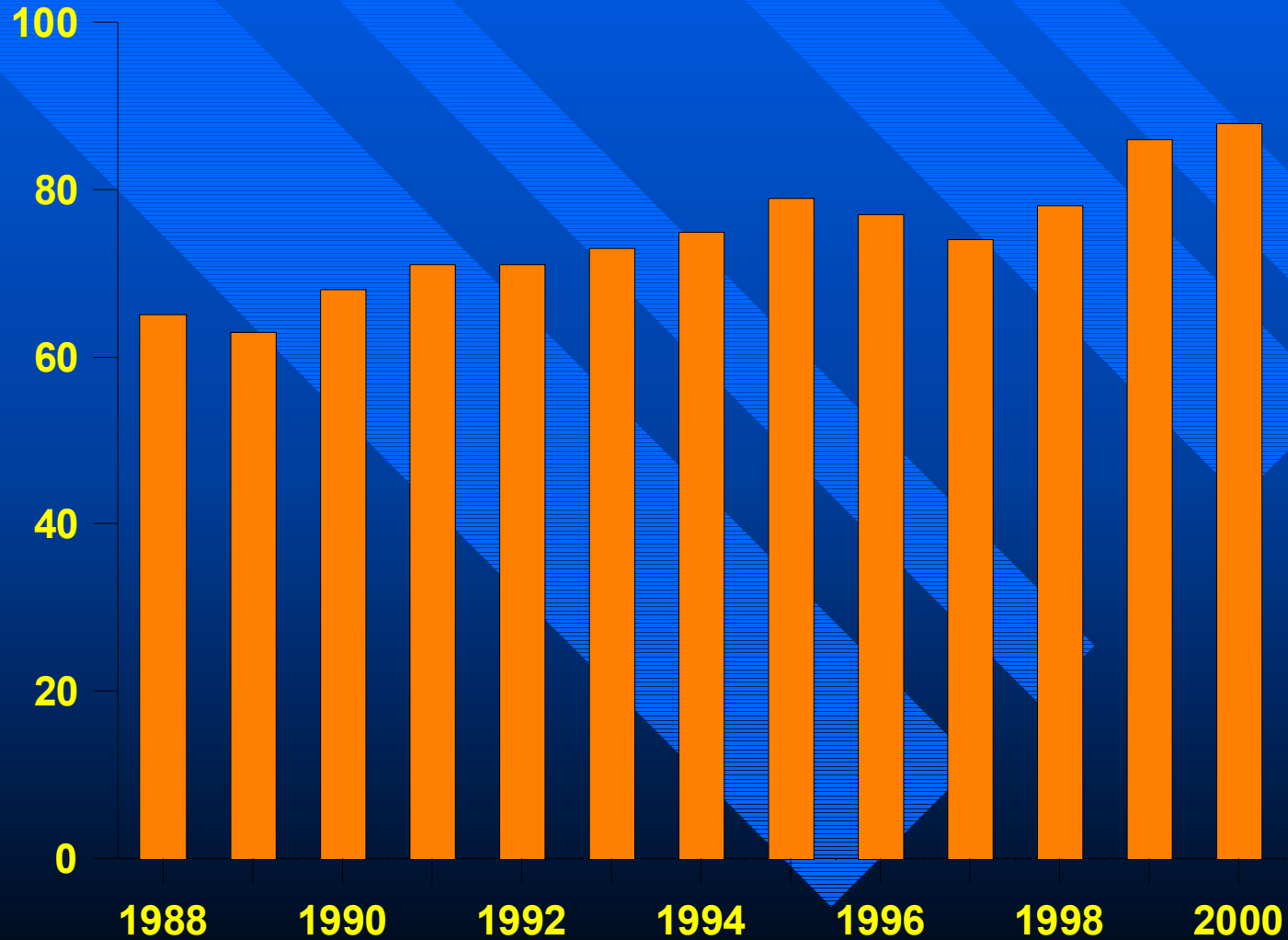


Nuclear Power Generation



Average Capacity Factor

(Percent)



Results Summary

- The improvement in the safety record of nuclear power plants has been a result of the combined efforts of licensees and the NRC

The Future

- **Licensing**
 - Power Upgrades
 - Potential Plant Reactivations
- **License Renewal**
- **Reactor Inspection and Performance Assessment Program**
- **Risk-Informed Initiatives**
- **New Reactor Licensing**

Regional Breakout Theme: Enhancing Regional Communications

Topics Include:

- **Inspection Planning**
- **Notice of Enforcement Discretion**
- **Significance Determination Process**
- **Public Meeting Communications**

Region I Breakout

**Hubert J. Miller, Regional Administrator
Region I**

Industry Representative:

**Michael Kansler, Chief Operating Officer
Entergy Nuclear Generation Group**

Region II Breakout

**Luis A. Reyes, Regional Administrator
Region II**

Industry Representative:

**Brew Barron, Site Vice President
McGuire Station, Duke Energy**

Region III Breakout

**Jim E. Dyer, Regional Administrator
Region III**

Industry Representative:

**Bill O'Conner, Site Vice President
Fermi Station, Detroit Edison Company**

Region IV Breakout

**Ellis W. Merschhoff, Regional Administrator
Region IV**

Industry Representative:

**Gary Taylor, Senior Vice President and
Chief Operating Officer, Entergy**

Thursday, March 7, 2002

TH1 8:00 am - 8:30 am

Plenary Session (Presidential Ballroom)

Panelists:
Regional Administrators

Regulatory Trends
Samuel J. Collins, D/NRR/NRC

Break 8:30 am - 8:45 am

Set of four Concurrent Regional Breakout Sessions 8:45 am - 10:15 am

TH2

Region IV Breakout (Presidential Ballroom) Panel Chair: Ellis W. Merschoff, Region IV Regional Administrator (RA)
Panelists:
Brian W. Sheron, ADPT/NRR/NRC
Gary Taylor, Senior Vice President & COO, Entergy

TH3

Region III Breakout (Congressional/Senate Rooms) Panel Chair: James E. Dyer, Region III RA
Panelists:
Samuel J. Collins, D/NRR/NRC
Bill O'Connor, Site Vice President Fermi Station, Detroit Edison Company

TH4

Region II Breakout (Federal A/B Rooms) Panel Chair: Luis A. Reyes, Region II RA
Panelists:
R. William Borchardt, ADIP/NRR/NRC
H. Brew Barron, Site Vice President, McGuire Station, Duke Energy

TH5

Region I Breakout (South American A/B Rooms) Panel Chair: Hubert J. Miller, Region I RA
Panelists:
Jon R. Johnson, DD/NRR/NRC
Michael Kansler, COO, Entergy Nuclear Generation Group

Break 10:15 am - 10:30 am

TH6

Inter-Regional Plenary Session (10:30 am - 11:00 am) (Presidential Ballroom)

TH7

Plenary Session (11:00 am - 12:00 noon) (Presidential Ballroom)