



About EUCG, Inc.

In 1973, representatives of seven utilities in the process of building large nuclear plants formed the Electric Utility Cost Group (EUCG). As cost and budget employees of major utilities, they were interested in learning how they compared to others in the nuclear construction business. Improving performance and cutting costs were the major focus of these early meetings.

Utilities from around the world now make up EUCG, Inc., as the group is now known. Members are no longer interested in cost information alone, but in increasing performance and competitiveness through participating in performance databases, networking, and benchmarking, and by discussing strategic planning, maintenance practices, outage management, and other aspects of operations. The group's objectives are accomplished during semiannual conference and workshop programs and by members' participation in databases that offer information from the hydroelectric, fossil, nuclear, and transmission and distribution areas of energy operations. An RTO/ISO Forum offers conference presentations on these areas of the new energy industry.

The EUCG meets in the spring and fall of each year. Conference delegates are from both the corporate and plant environments and range from plant managers, senior engineers, and planners to directors and vice presidents of finance, business planning, and other individuals found in the typical energy company structure. A member utility might send a single delegate to a conference, or as many as dozen (and sometimes more). The conferences feature a variety of formats for discussion and study, including panel discussions, workshops, and hands-on software demonstrations. Conference agenda topics are selected by members and presented by members and experts in other industries that have valuable information to offer on the general topics of quality, customer service, cost planning and budgeting, and performance efficiency.

Agenda planners pay close attention to the current industry environment and consistently offer information that will help utility representatives understand their roles in the industry and educate them about issues that will strengthen their positions and increase their knowledge. Current major changes in the industry structure are driving agenda topics since they present daily challenges to member utilities. The EUCG is committed to sponsoring and offering services and products that will increase efficiency and provide information that will take its members successfully into the next generation of energy providers.

For more information on becoming an EUCG member, contact Pat Kovalesky, Executive Director, by telephone at (623) 572-4140, or by E-mail at eucgexec@quixnet.net.



WHAT IS THE EUCG ?

The EUCG was formed in 1973 to provide a professional working forum for the electric utility industry to share information to help individual companies improve their operating, maintenance, and construction performance. In this time of intense effort to achieve excellence, the EUCG helps utilities fulfill the need to share information and benchmark against those in their class. EUCG was incorporated in 1995.

Who Participates?

International energy companies participate in the various technical programs and working groups of the organization. The EUCG information sharing and open forum structure provides value to utility representatives over a wide range of management levels.

How is the information shared?

Knowledge is shared at technical conferences held twice each year at various locations. Members purchasing data receive early data exchange information early in the year and a full report in the fall. Various surveys and special interest forums are offered to those interested in specific topics throughout the year. In addition to technical information sharing, members provide a review of current utility trends and events.

Who can join the EUCG?

Membership is offered for those desiring a

*Data Membership (members in the business of production, transmission or distribution of energy that participate in data and information exchange),

*Forum Membership, (members in the business of production, transmission or distribution of energy choosing not to participate in data exchange), or

*Affiliate Membership (members that are affiliated with the business of production, transmission or distribution of energy).

How much does it cost?

Fees for membership are dependent on the type of membership you are eligible for. Call the EUCG offices for more information.

What about data confidentiality?

Information collected by EUCG shall be considered confidential and must not be distributed to non-contributing members or non-EUCG parties. Collection and dissemination of data are in conformity with antitrust law.

For more information contact:

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EUCG – Top 10 Member Benefits

1. **Value.** EUCG membership fees are typically a fraction of the fees charged by consultants or database providers for the same type of data and analysis.
2. **Targeted.** EUCG serves the electric utility industry. Period. The mission and vision of the organization isn't complicated and watered down by trying to serve the interests of multiple industries.
3. **Networking.** EUCG provides a forum for electric utility professionals to converse, problem solve, exchange best practices, and generally get to know one another.
4. **Flexibility.** EUCG allows its members to dictate and influence the survey topics, reports, and conference programs. It's content and direction change in synch to members needs and industry evolution.
5. **Multi-Dimensional.** EUCG explores issues beyond vanilla-flavored cost control and benchmarking. It's focus has evolved into areas such as outage planning, activity based management, process management, and data analysis techniques, just to name a few.
6. **Technology.** EUCG utilizes the latest technology for members to communicate, and to distribute data and reports. The members' forum area on the EUCG website is a popular place for members to pose questions, pursue group solutions, and to generally chit-chat about a myriad of topics and issues. Furthermore, all EUCG data is captured and distributed electronically for maximum ease-of-use.
7. **Conferences.** EUCG sponsors two conferences yearly that tackle cutting-edge issues, allow members to interact face-to-face, and to celebrate the numerous group and individual member accomplishments.
8. **Knowledge-Repository.** EUCG maintains a repository of data, reports, and surveys that members can call upon to help answer, or at least shed-light upon, the multitude of topics and issues explored by the organization over its many years of existence.
9. **Integrated.** EUCG is organized to serve the varied yet functionally similar groupings of electric utility operations. Its committees consist of Nuclear, Fossil Generation, Hydro Generation, Transmission & Distribution, and Finance groups. Members of each of these groups are encouraged, when appropriate, to work together and share information (particularly at bi-annual conferences) for the good of the entire organization.
10. **Member-Driven.** EUCG exists to serve its members, and practically all aspects of the organization is designed to allow member input to drive the direction of the organization. From its bi-annual conferences down to ad-hoc surveys, EUCG members have a profound and direct influence on their outcomes.

EUCG – Your Energy Information Source!

2010 Membership Roster

Alliant Energy
AmerenUE
American Electric Power
Arizona Electric Power Cooperative
Constellation Energy
Consumers Energy
CPS Energy
DTE Energy
Duke Energy Company
Entergy Fossil
Exelon Generation
Hoosier Energy
Israel Electric Corporation
Kansas City Power & Light
Khanom Electricity Generating Co., Ltd. (Thailand)
Korea East-West Power
Lower Colorado River Authority
Luminant
New Brunswick Power Corporation
Nova Scotia Power Corporation
NV Energy
Ohio Valley Electric Corporation
Omaha Public Power District
Ontario Power Generation
PSEG Fossil
Rayong Electricity Generating Co., Ltd. (Thailand)
Salt River Project
Southern Company
Tennessee Valley Authority
Wisconsin Public Service Corp.



EUCG 2010 Fall Workshops
September 26 - 29 • Glendale, Arizona

FPC Track: Topics Under Consideration

Fossil Keynote: Glen Reeves, Manager of Power Generation, Salt River Project

Tour of Maricopa Solar

Fossil Productivity Database: Identifying best performers

Safety roundtable with EUCG Safety & Health Forum: Case studies, success stories and near misses, combustible dust projects and programs

Risk assessments: How companies address project risk, regulatory risk, gas price risk, catastrophic risk

Survey: Employee Scorecards

Survey: Performance indicators and pay for performance

Cycling operation

Renewable fuels: Biomass generation development

Conducting New Source Review on plant modifications

FGD operations and reliability

Company scorecard workshop

SCR potential damage/operational risks

On Tuesday, September 28, the FPC will offer a parallel track focusing on combined cycle and combustion turbine installations. The agenda will include the following topics

CC/CT safety case studies, success stories, and lessons learned

Long-term service agreements (LTSAs) versus self-performed service

Outage planning strategies

Survey: CT starting reliability

CC/CT benchmarking, best performers, and database review

Staffing strategies

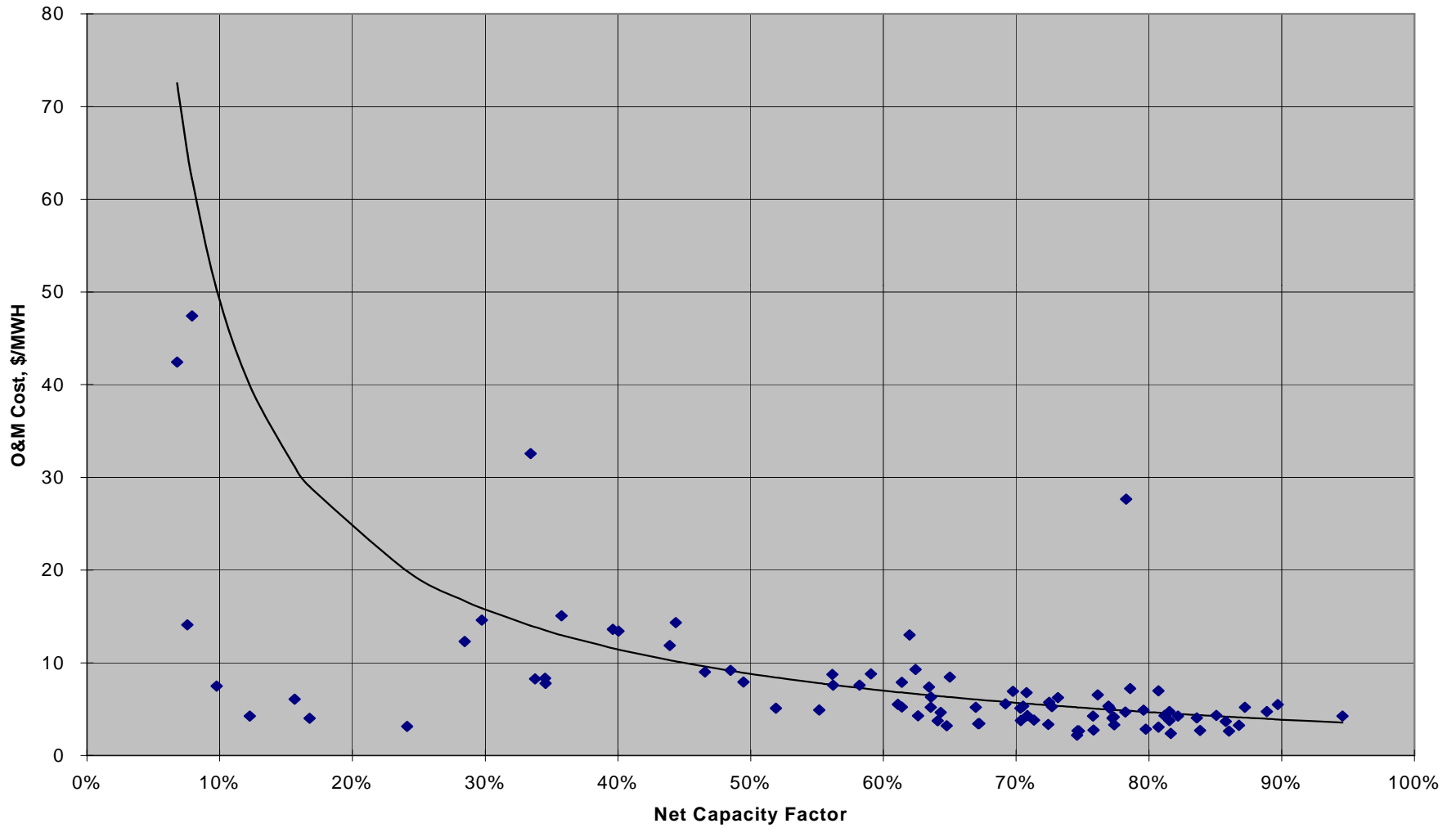
Failures & lessons learned

Post-construction improvements



O&M Expenditures vs. Net Capacity Factor

Regression 1

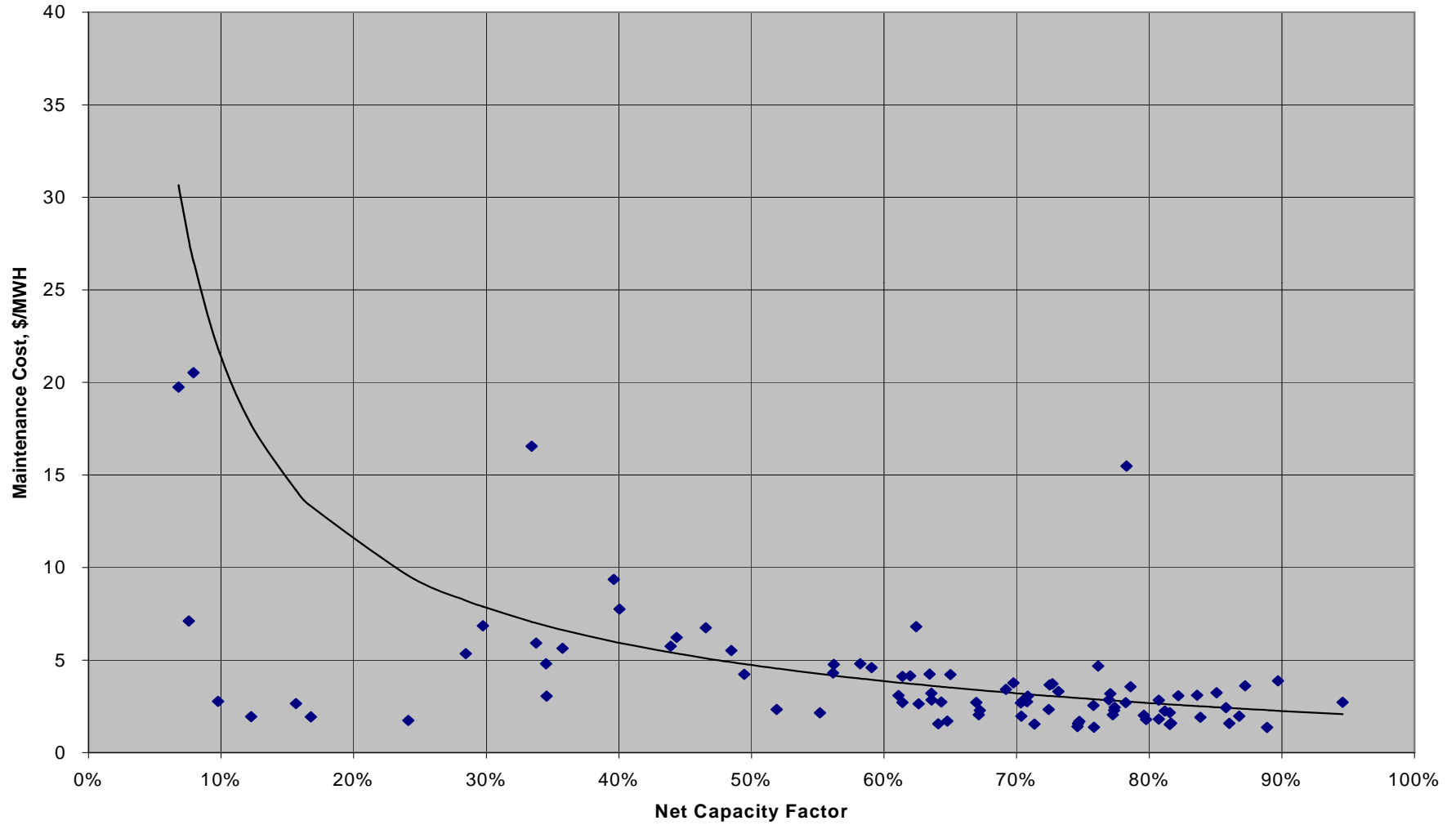


Fossil Productivity Committee



Maintenance Expenditures vs. Net Capacity Factor

Regression 1

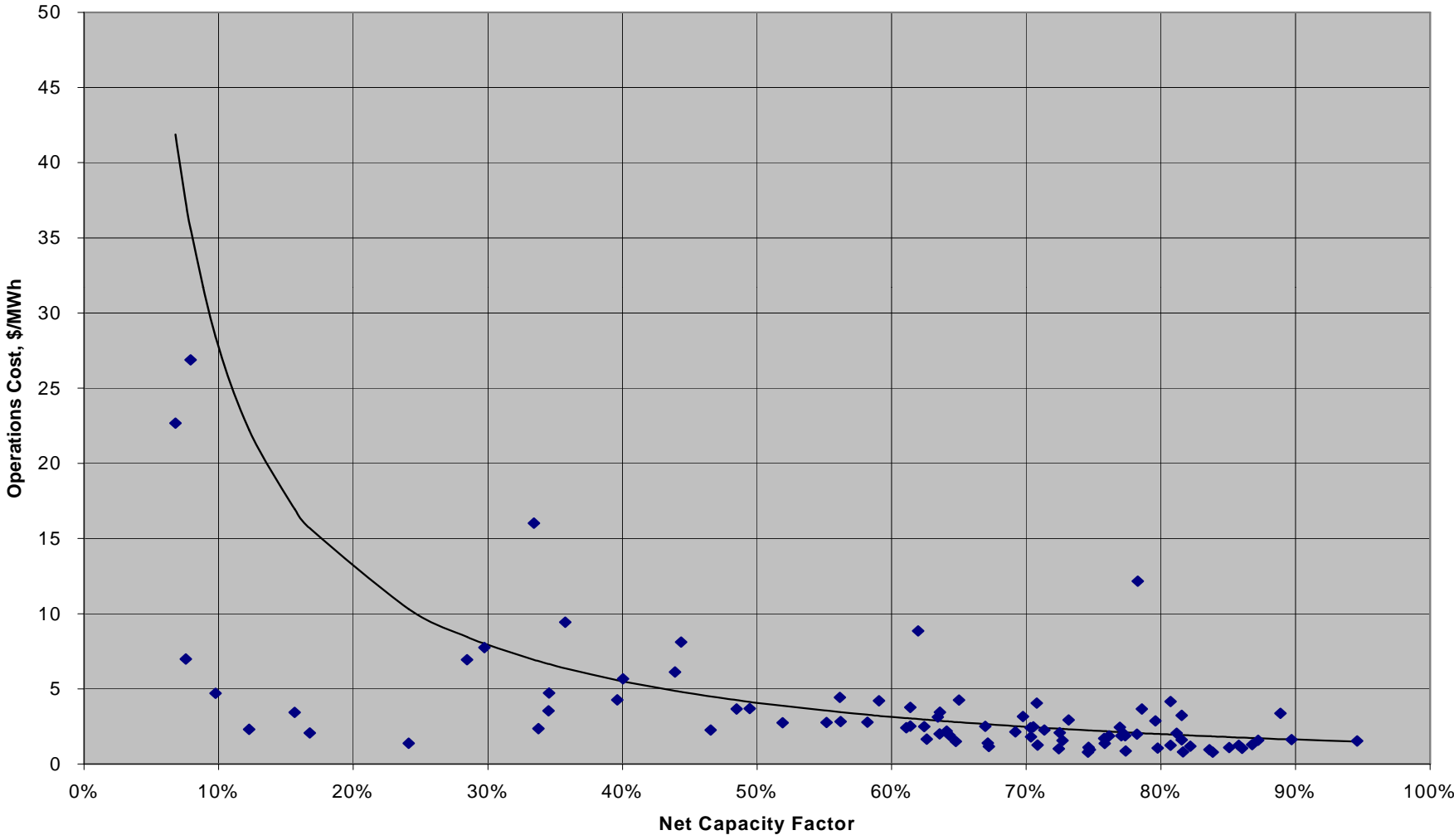


Fossil Productivity Committee



Operations Expenditures vs. Net Capacity Factor

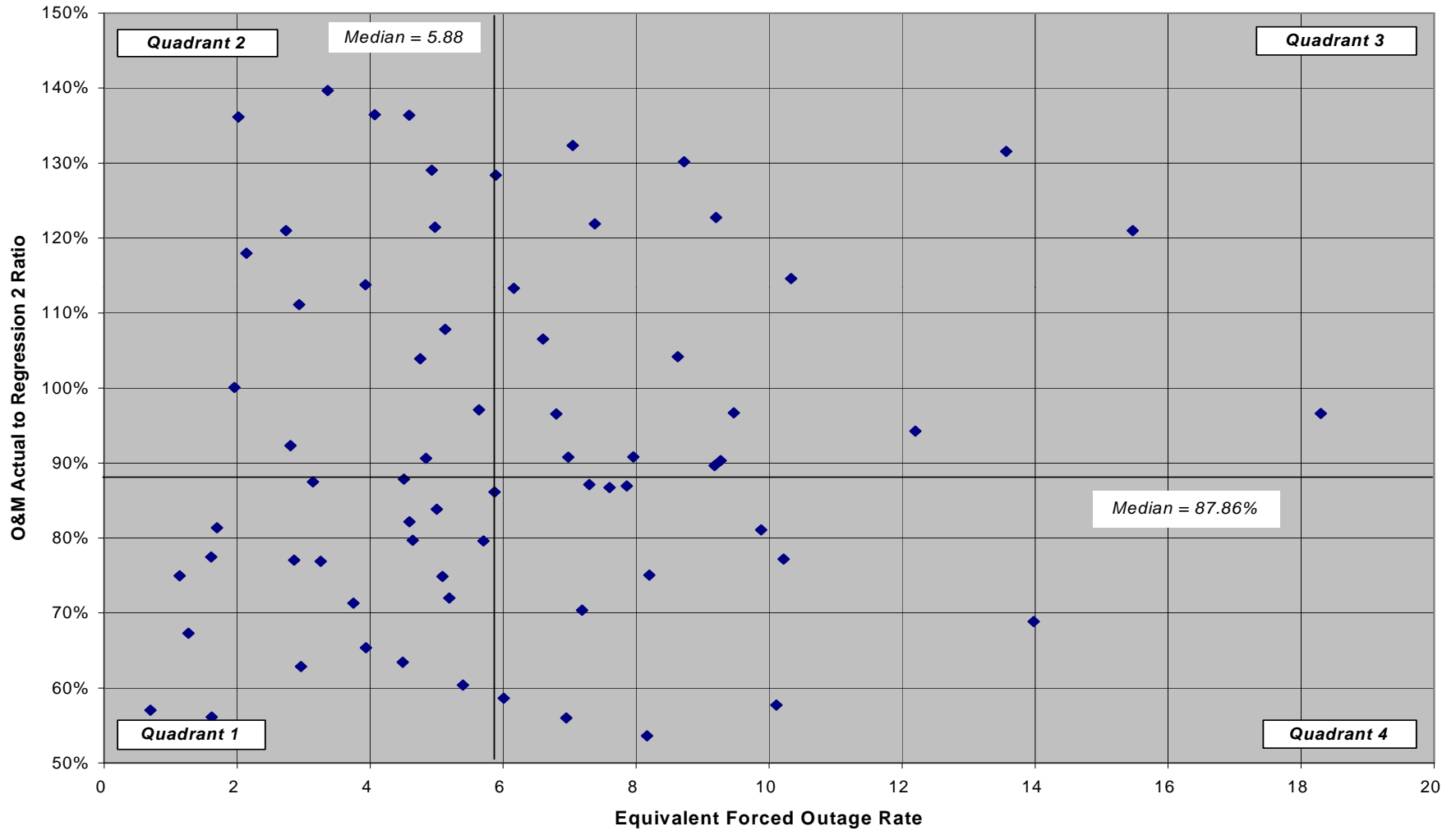
Regression 1



Fossil Productivity Committee



O&M Expenditures Actual/Regression 2 Ratio vs. EFOR

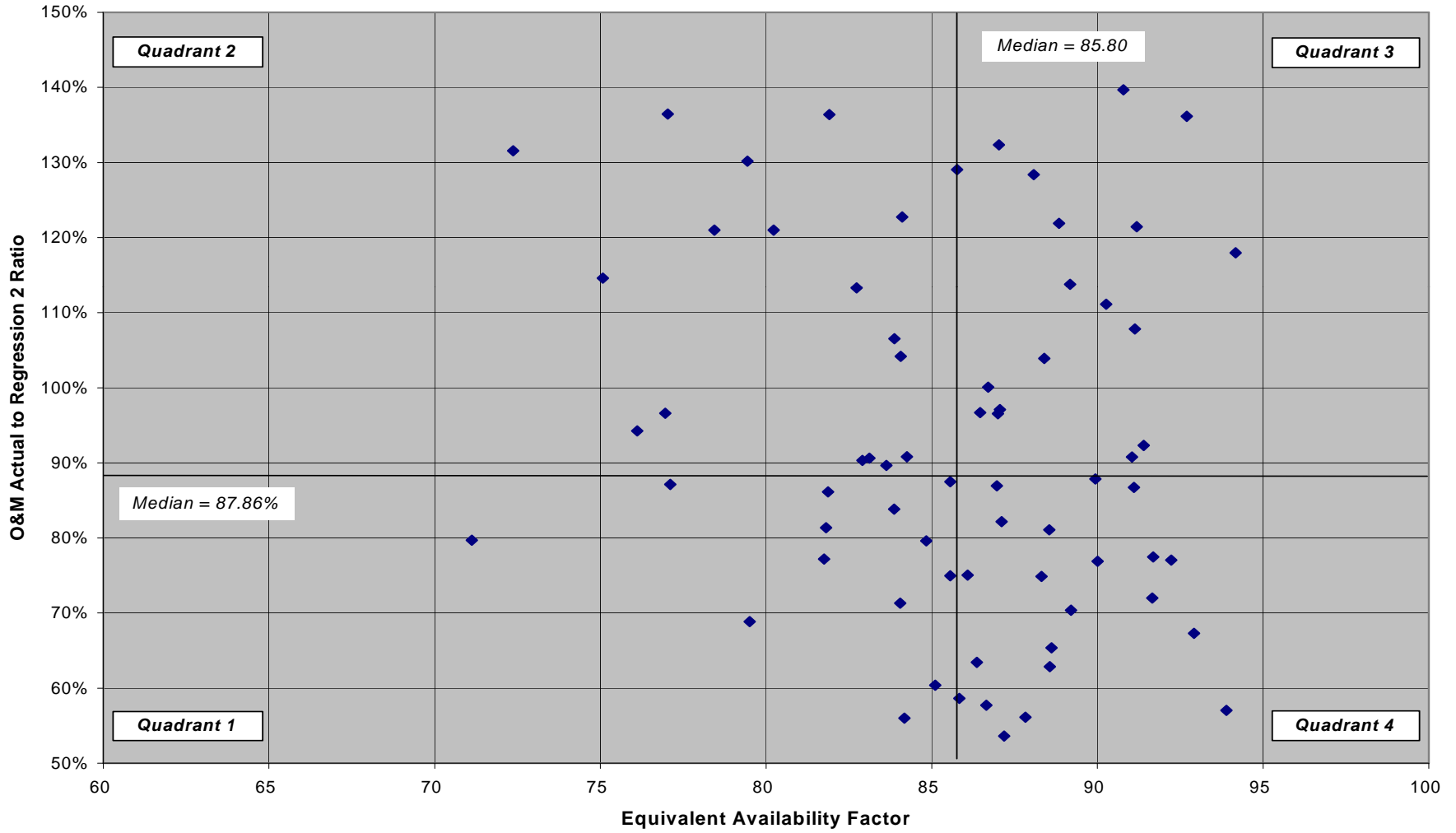


Fossil Productivity Committee



O&M Expenditures

Actual/Regression 2 Ratio vs. EAF

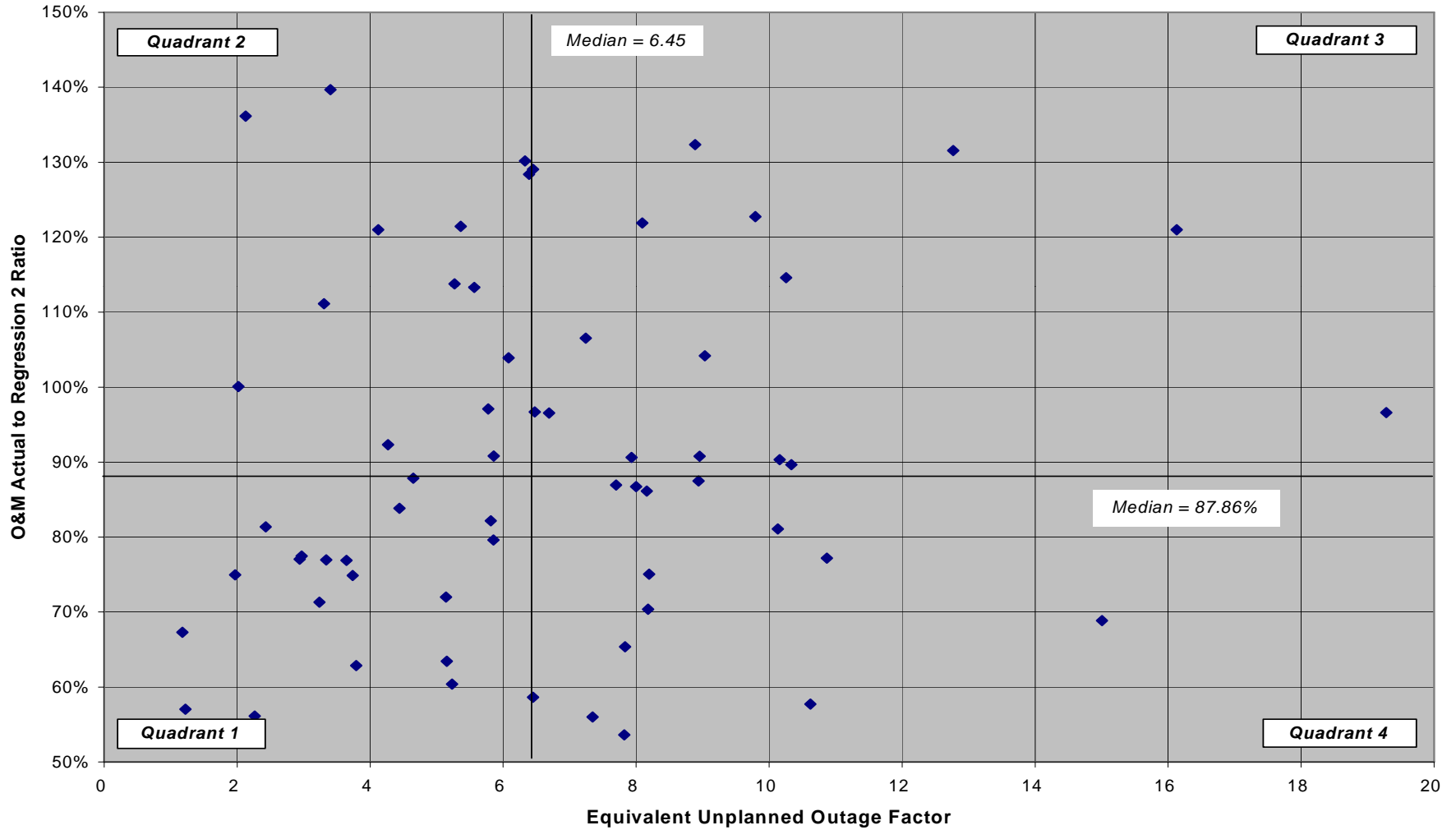


Fossil Productivity Committee



O&M Expenditures

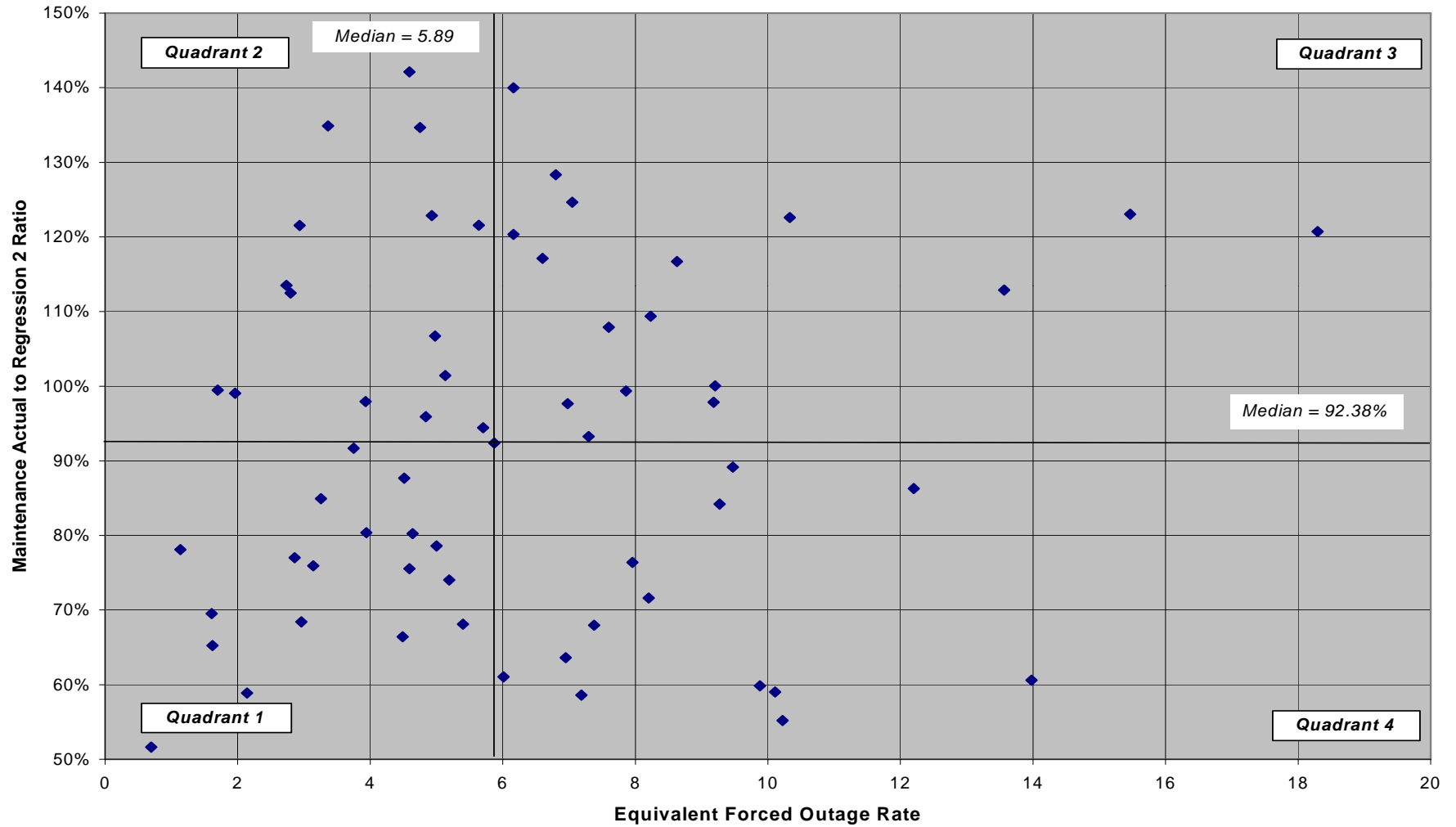
Actual/Regression 2 Ratio vs. EUOF



Fossil Productivity Committee



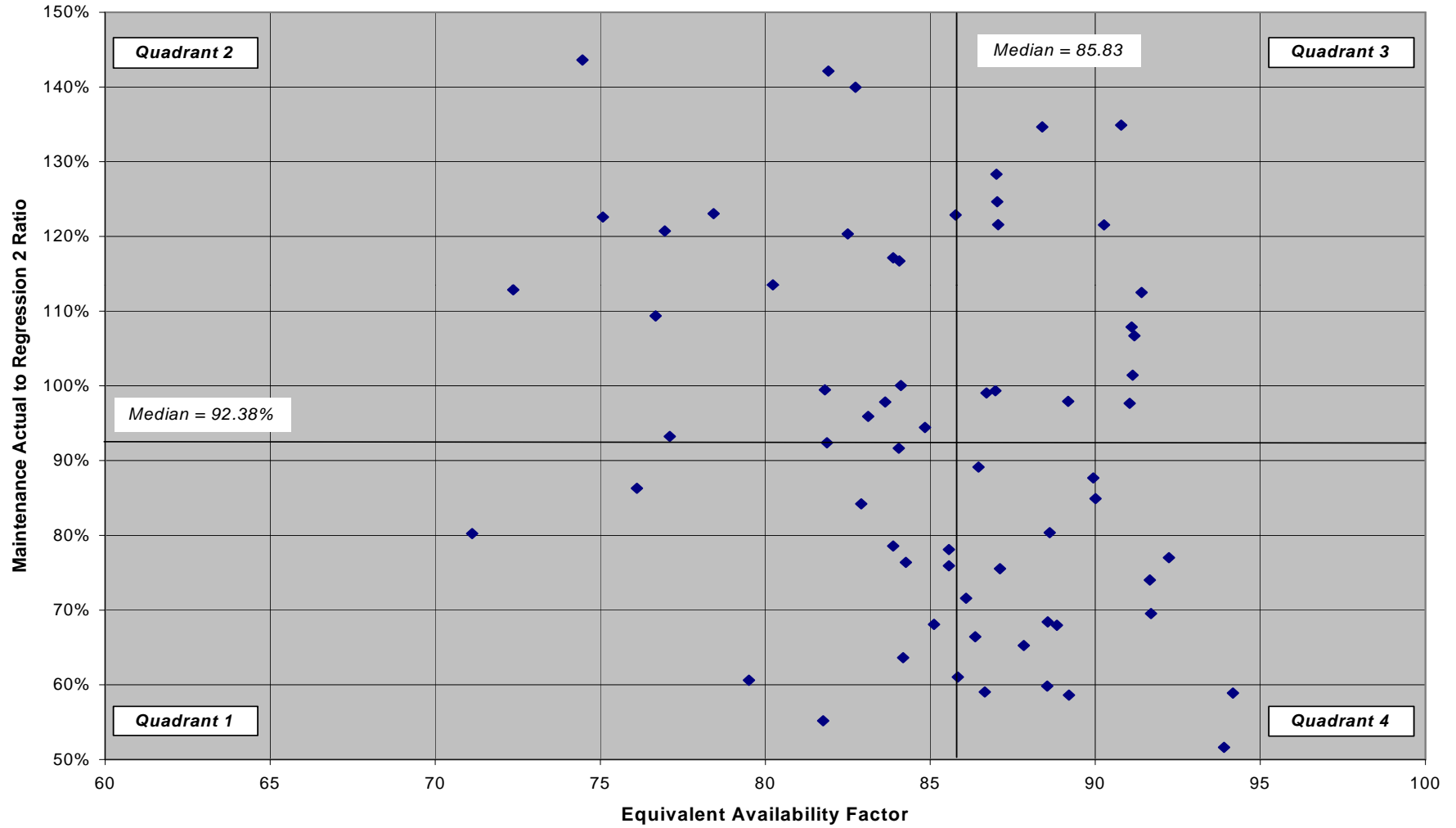
Maintenance Expenditures *Actual/Regression 2 Ratio vs. EFOR*



Fossil Productivity Committee



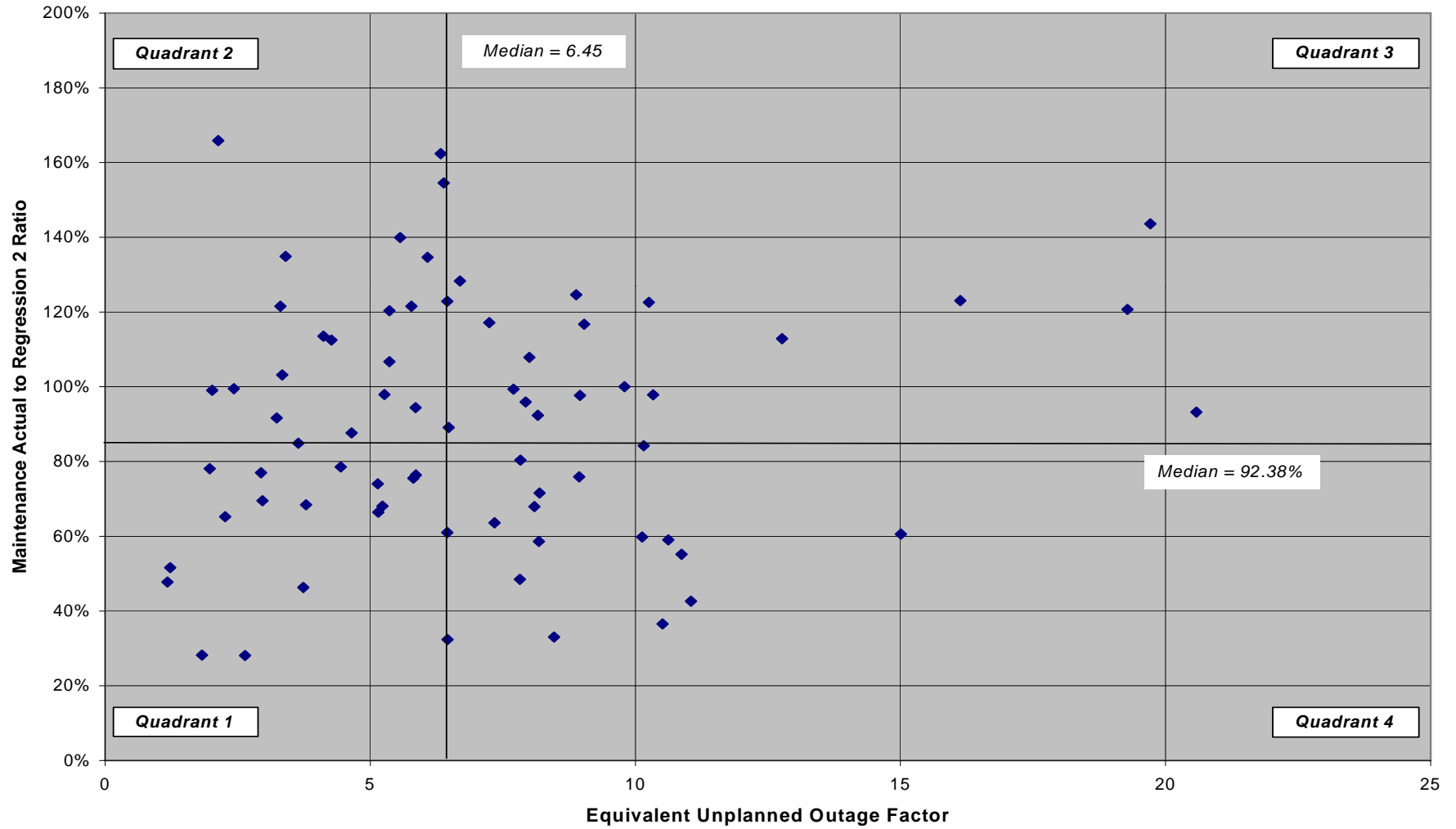
Maintenance Expenditures Actual/Regression 2 Ratio vs. EAF



Fossil Productivity Committee



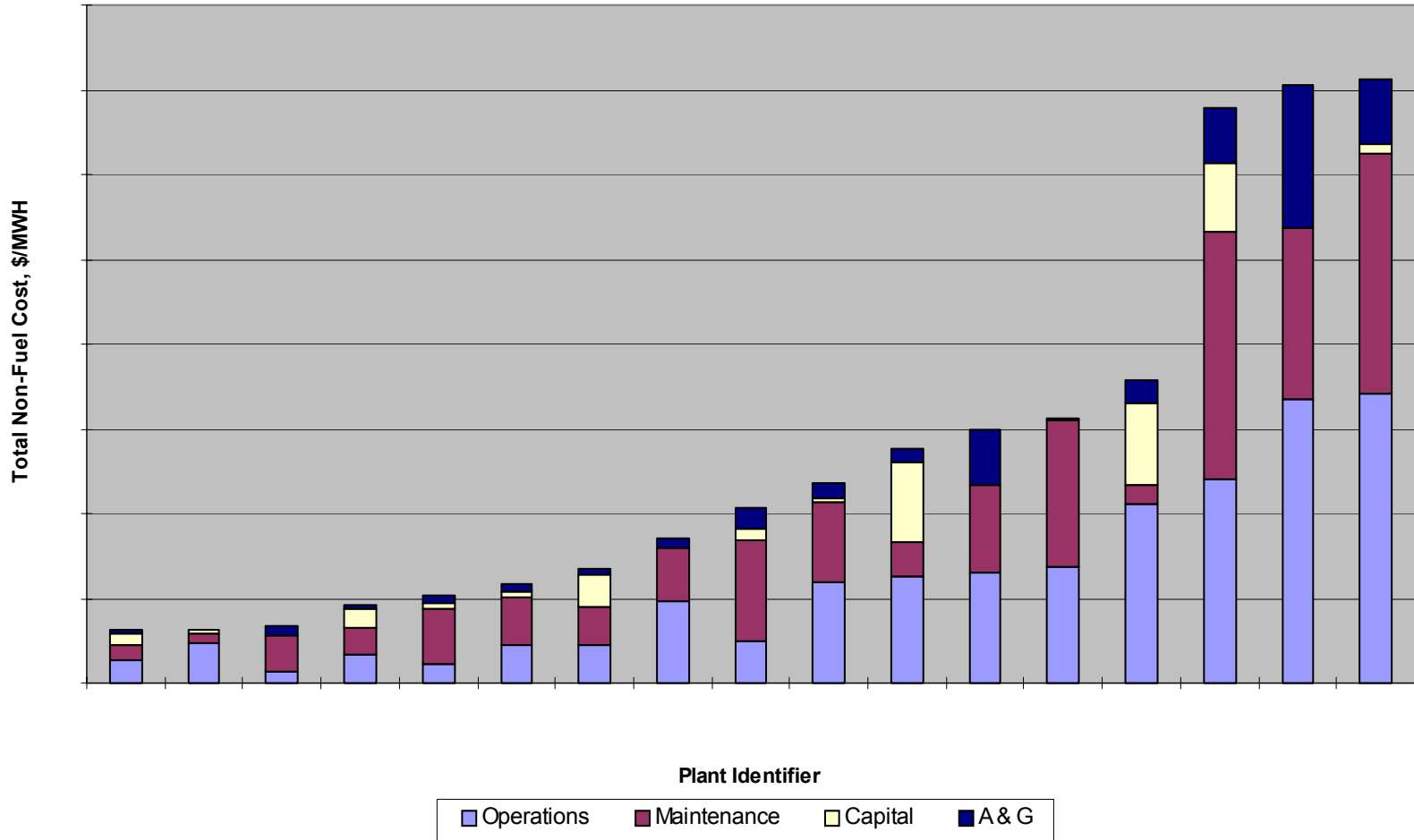
Maintenance Expenditures Actual/Regression 2 Ratio vs. EAF



Fossil Productivity Committee

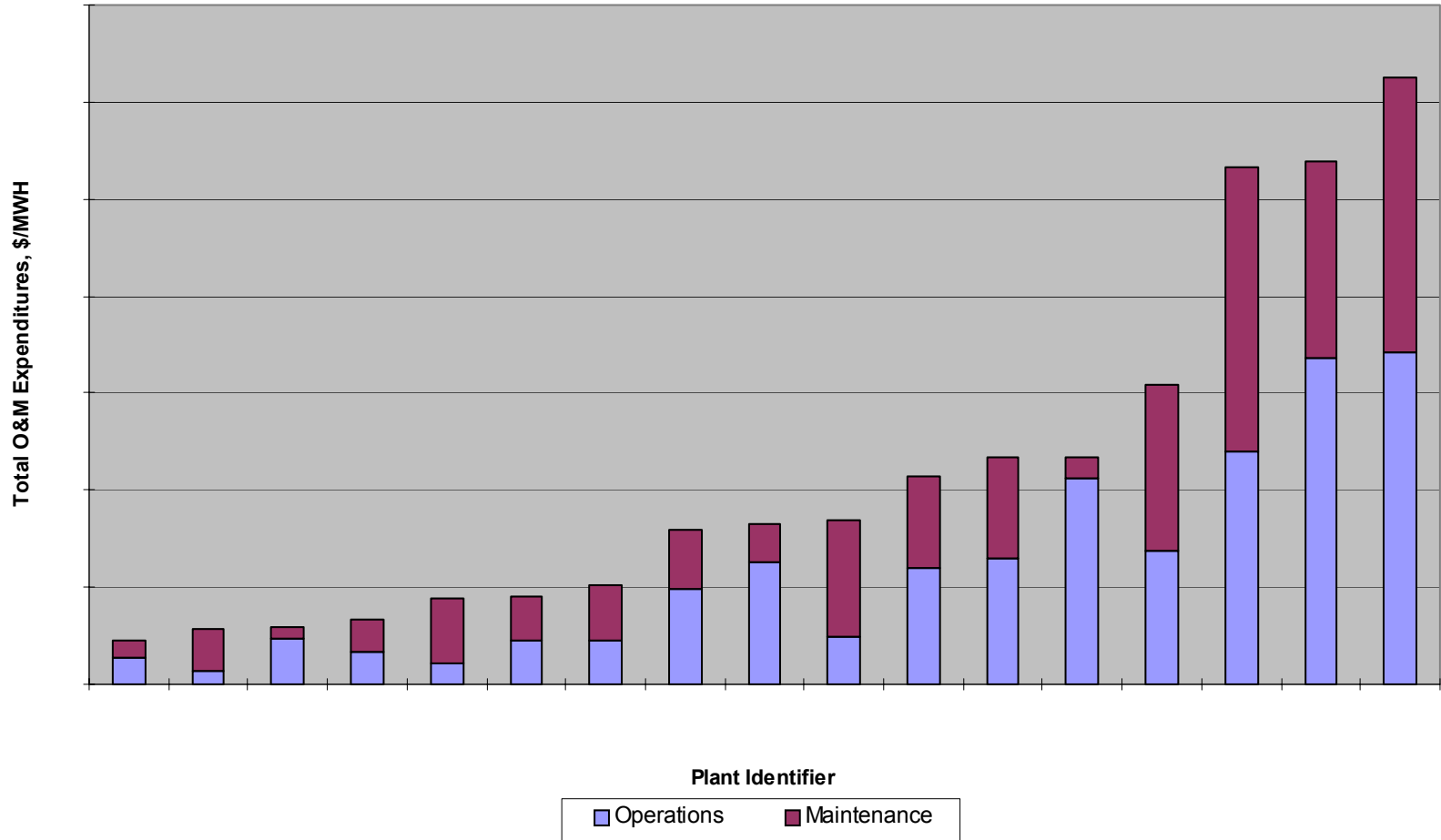


Total Non-Fuel Cost, \$/MWH



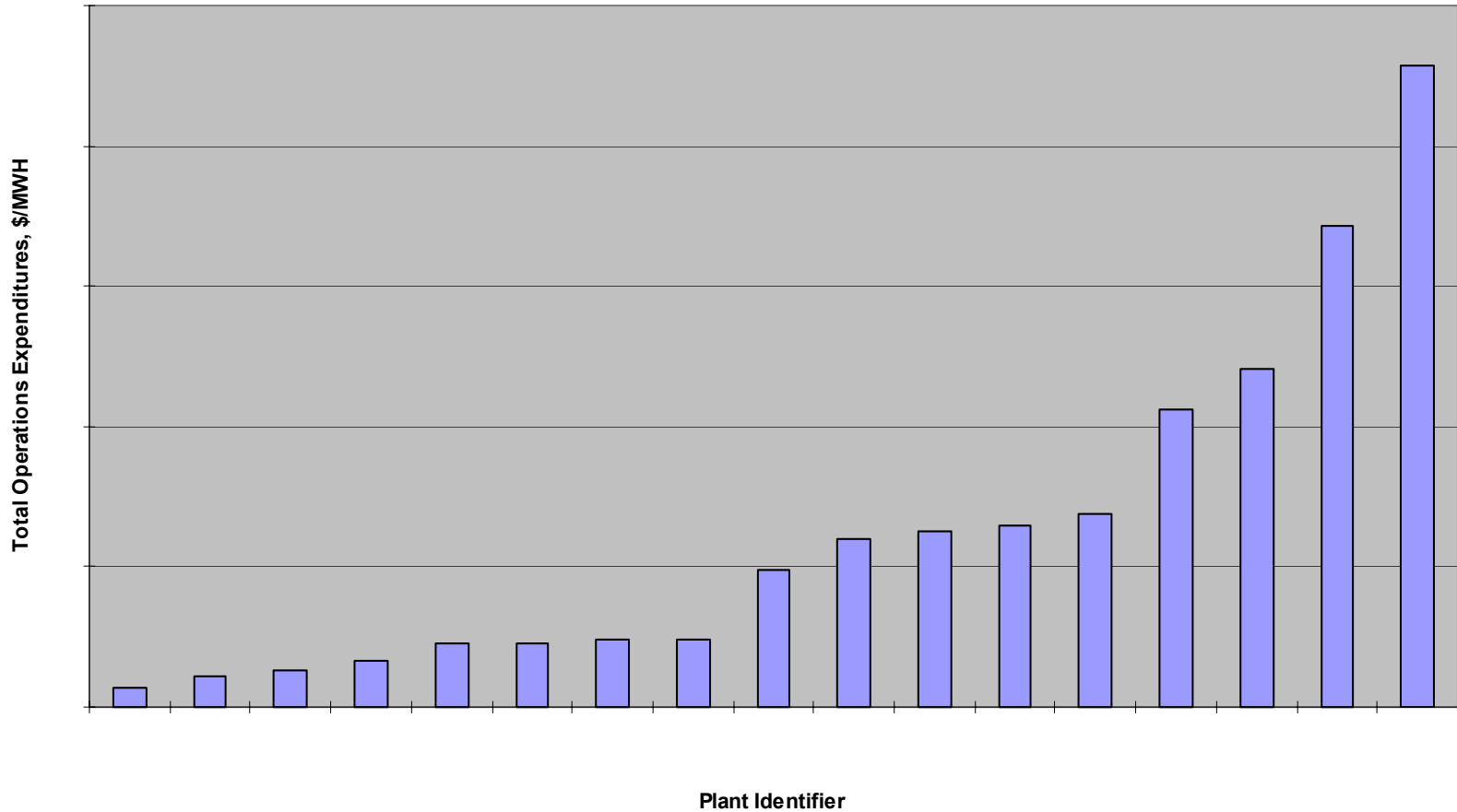


Operations & Maintenance Expenditures, \$/MWH



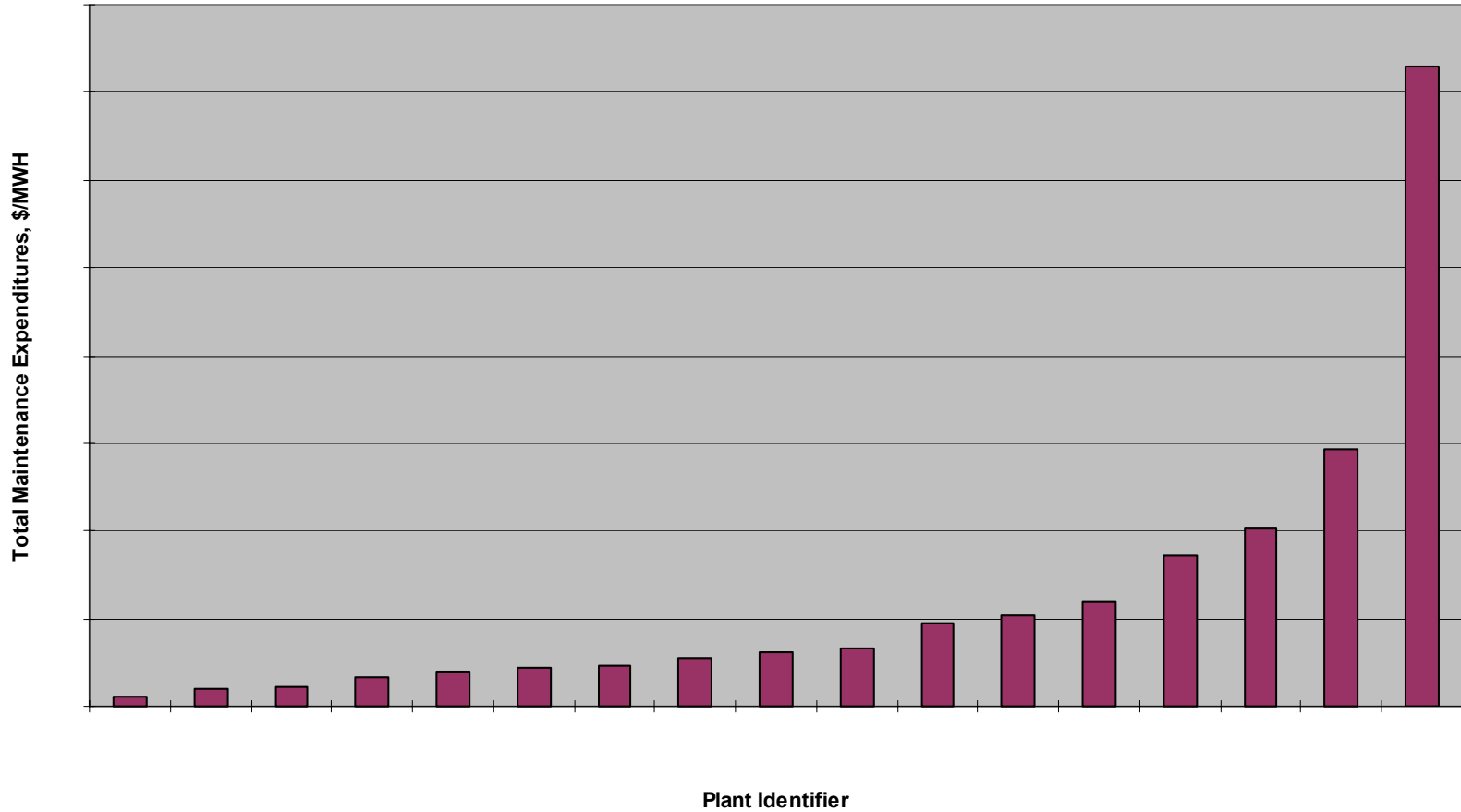


Operations Expenditures, \$/MWH



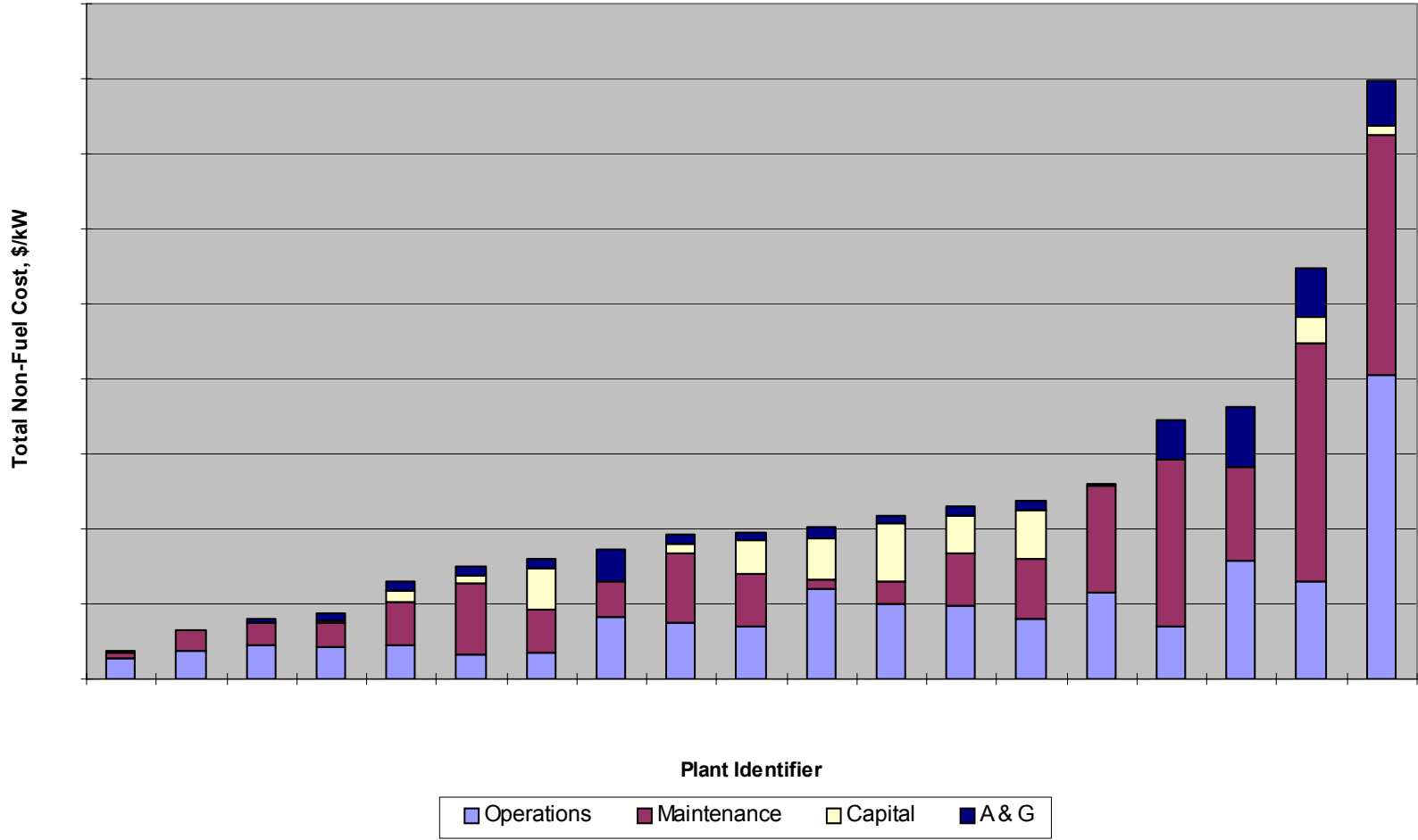


Maintenance Expenditures, \$/MWH



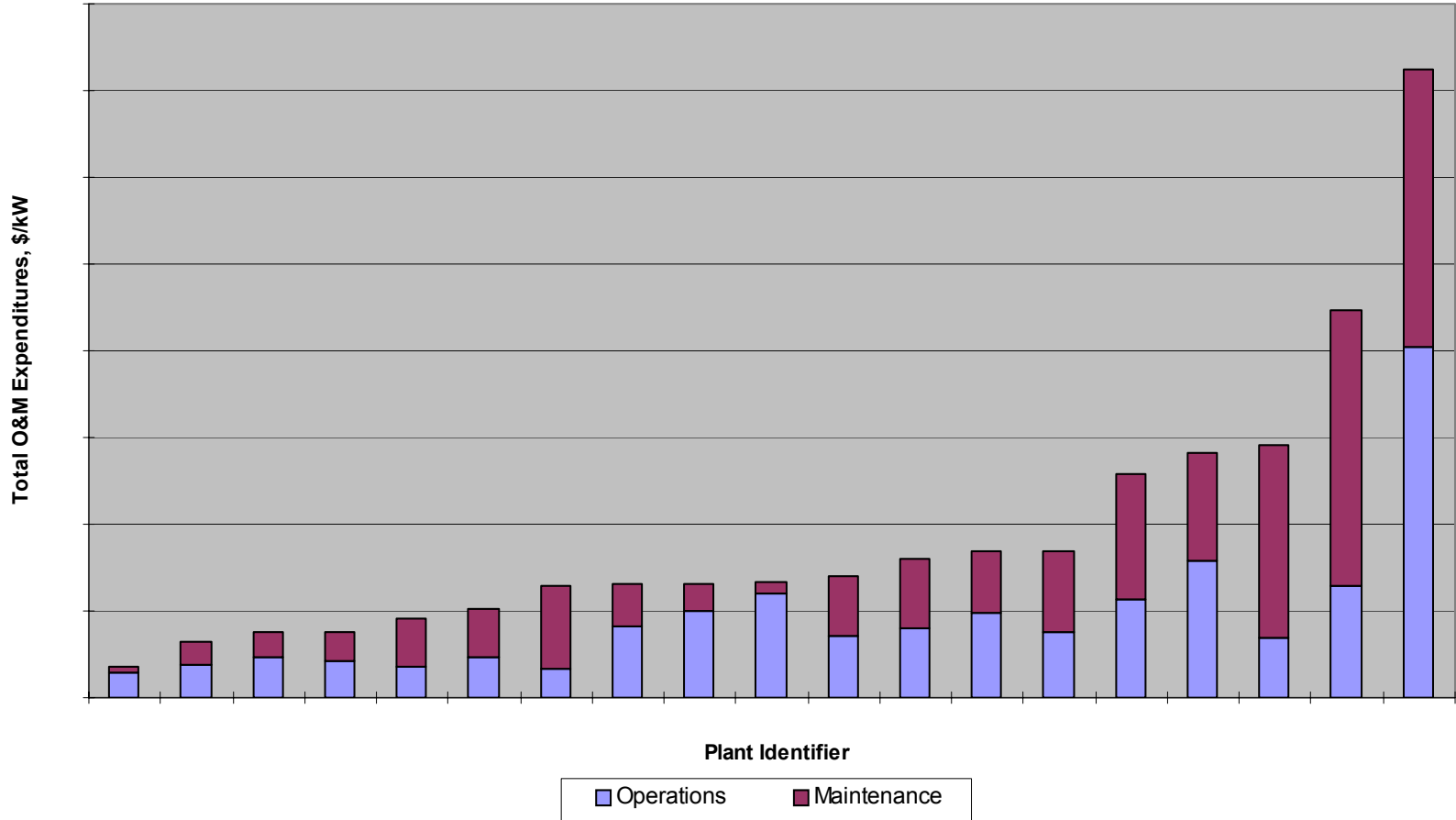


Total Non-Fuel Cost, \$/kW



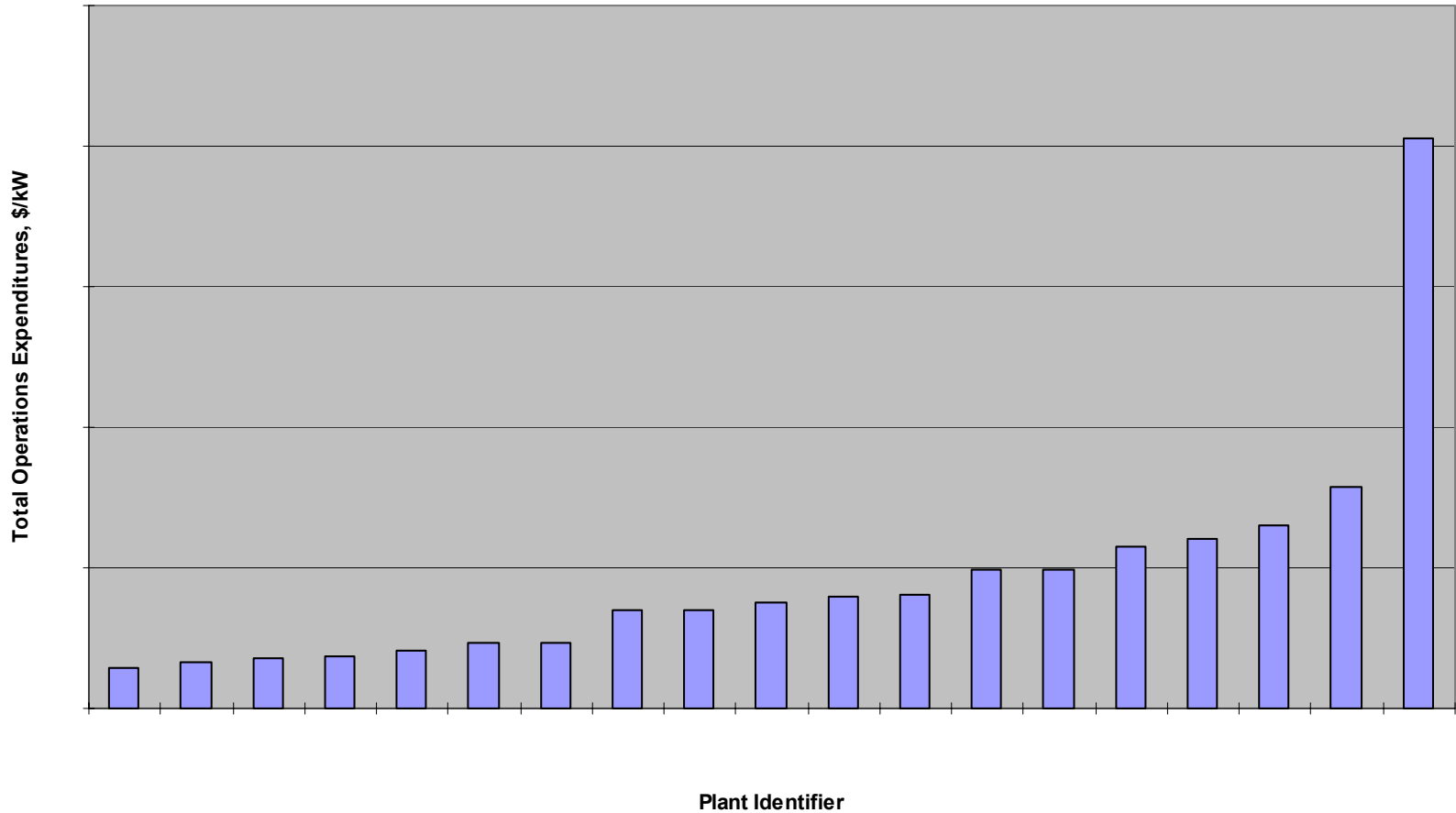


Operations & Maintenance Expenditures, \$/kW



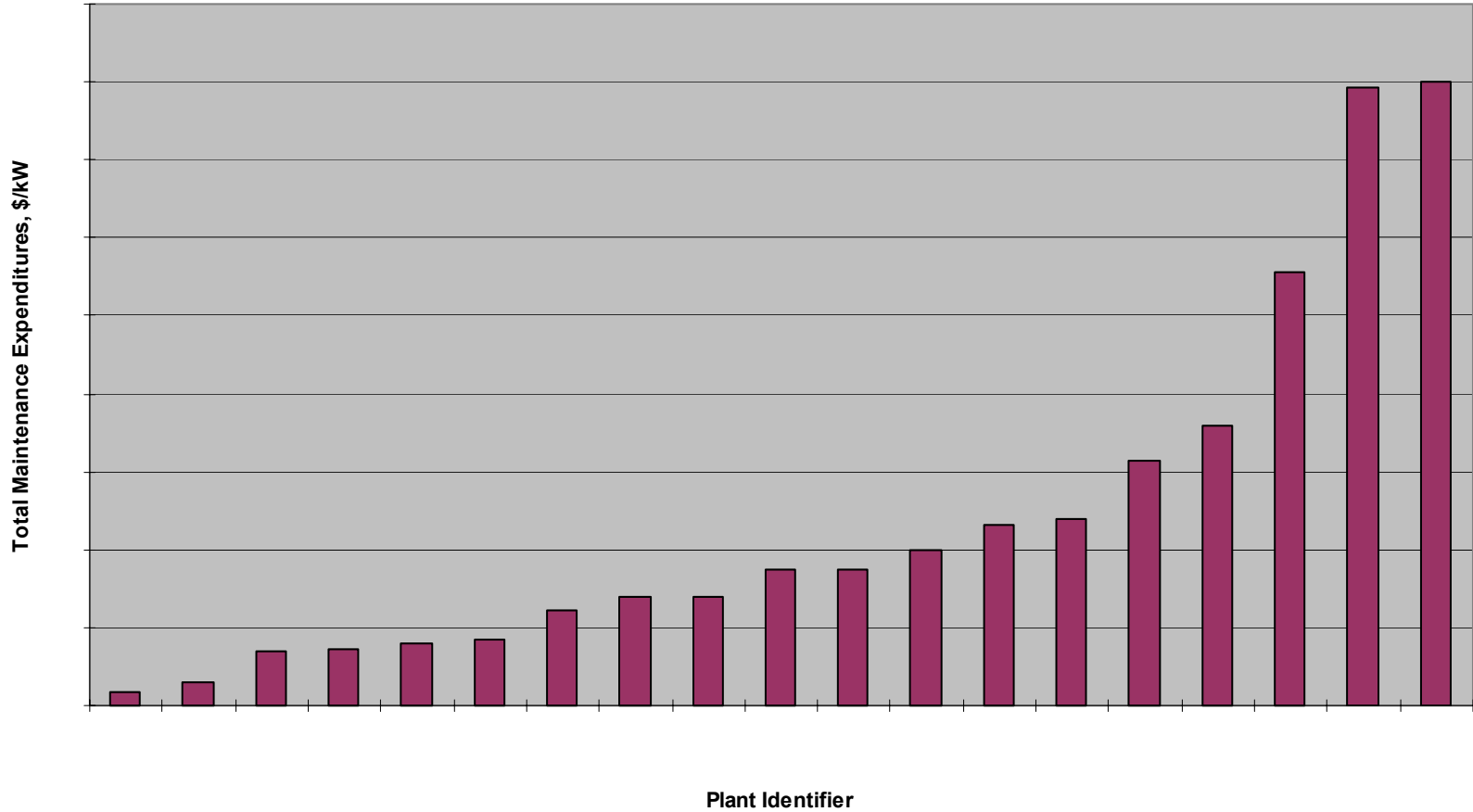


Operations Expenditures, \$/kW



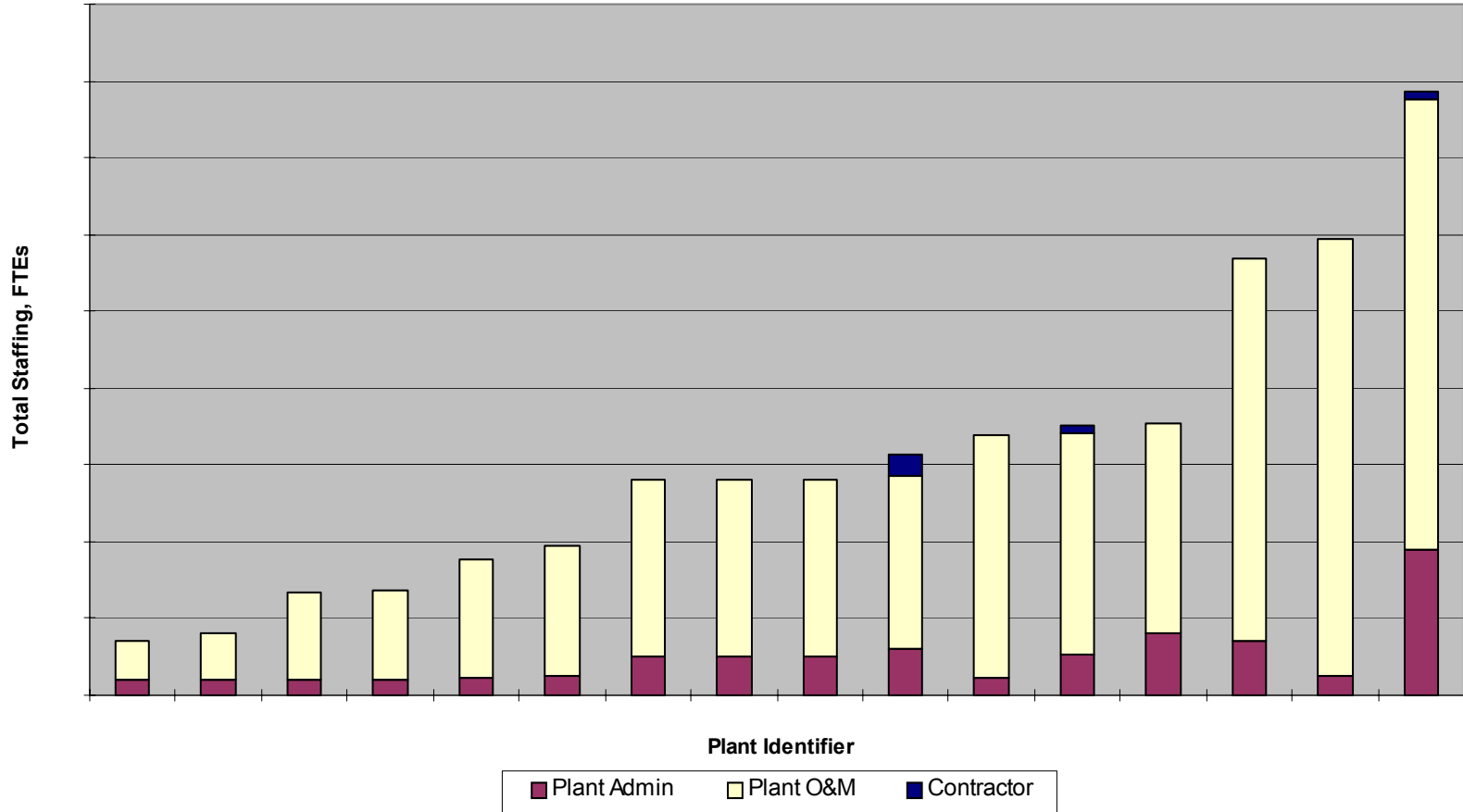


Maintenance Expenditures, \$/kW



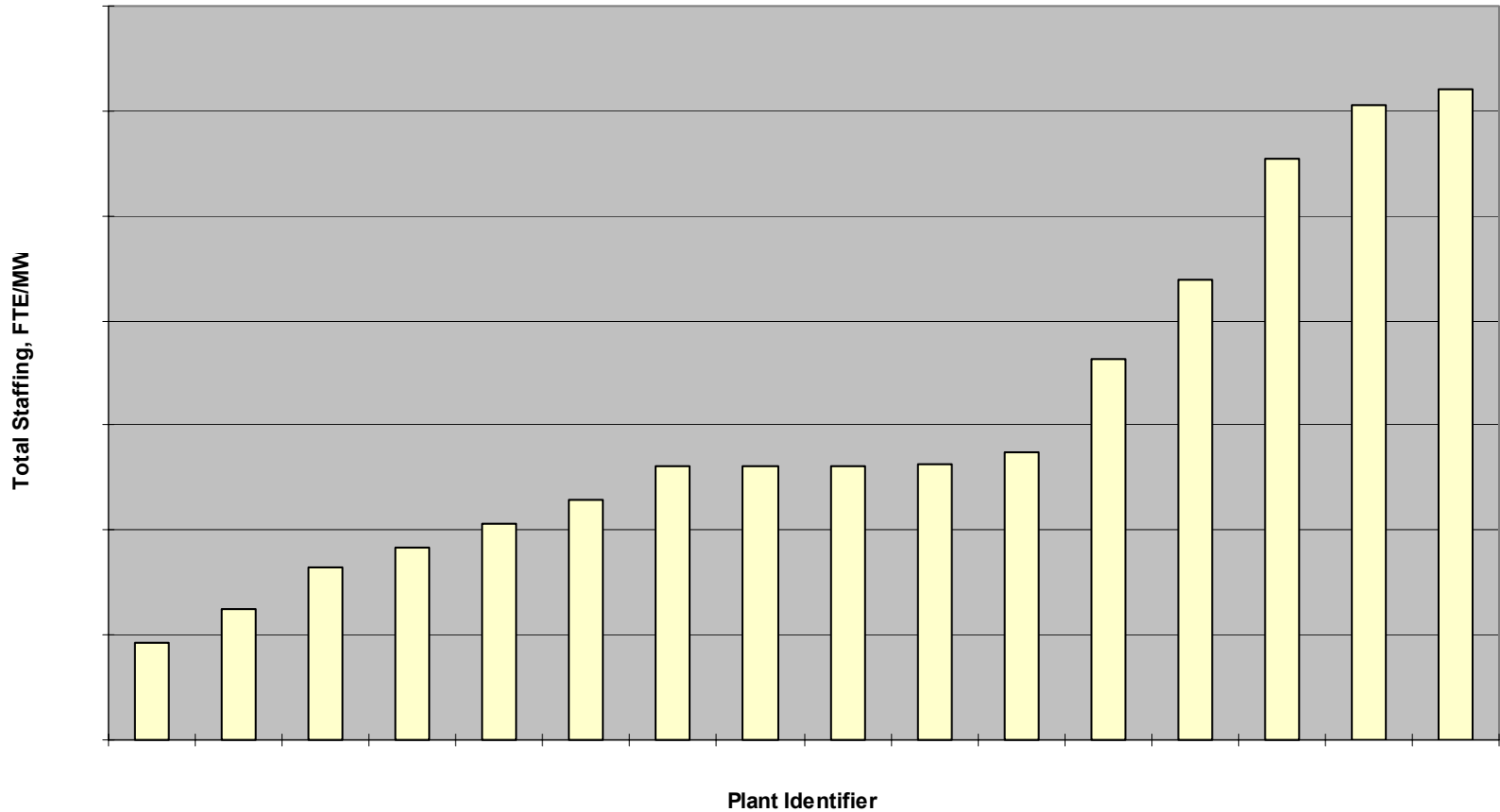


Total Staffing, FTEs



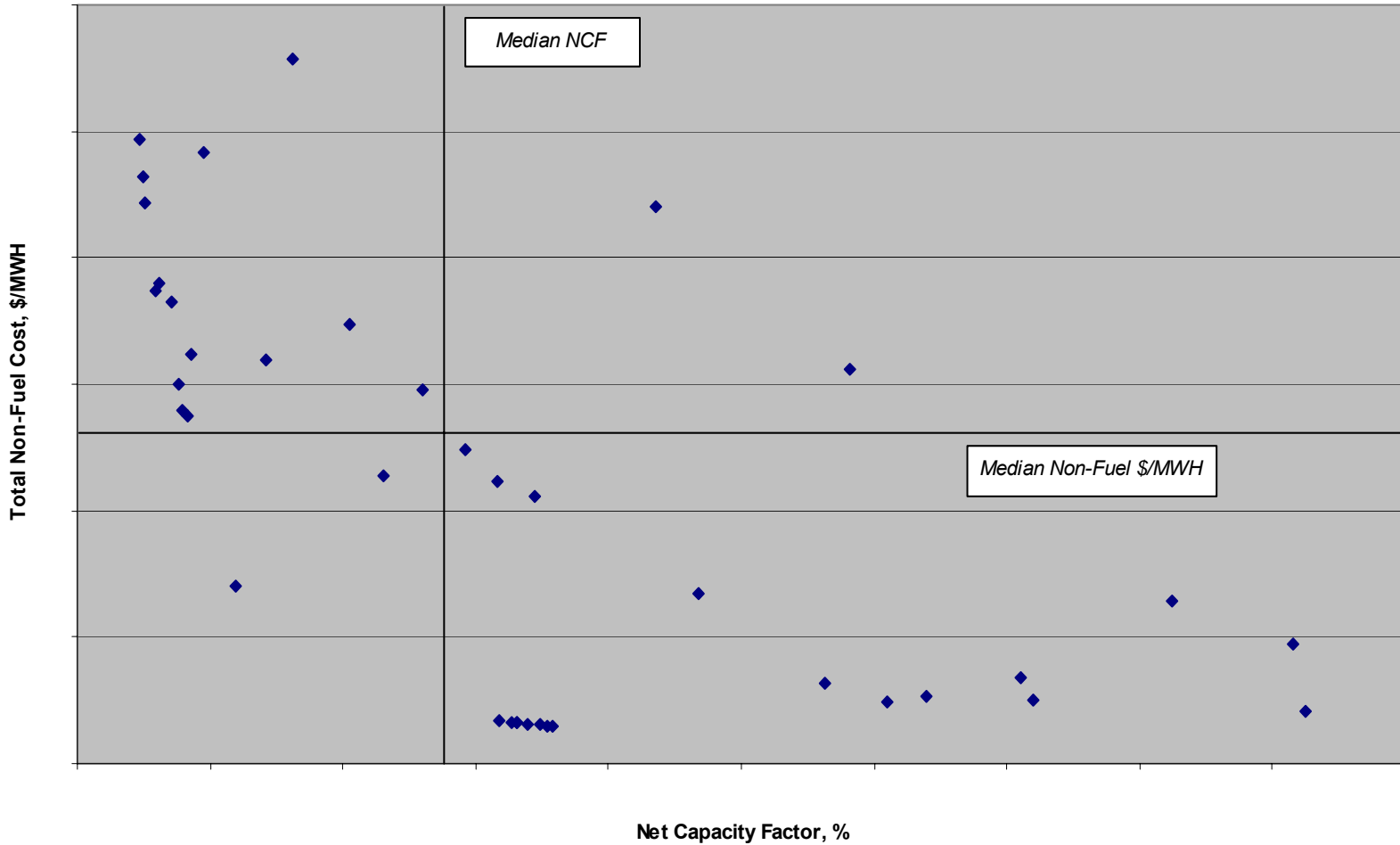


Total Staffing, FTE/MW

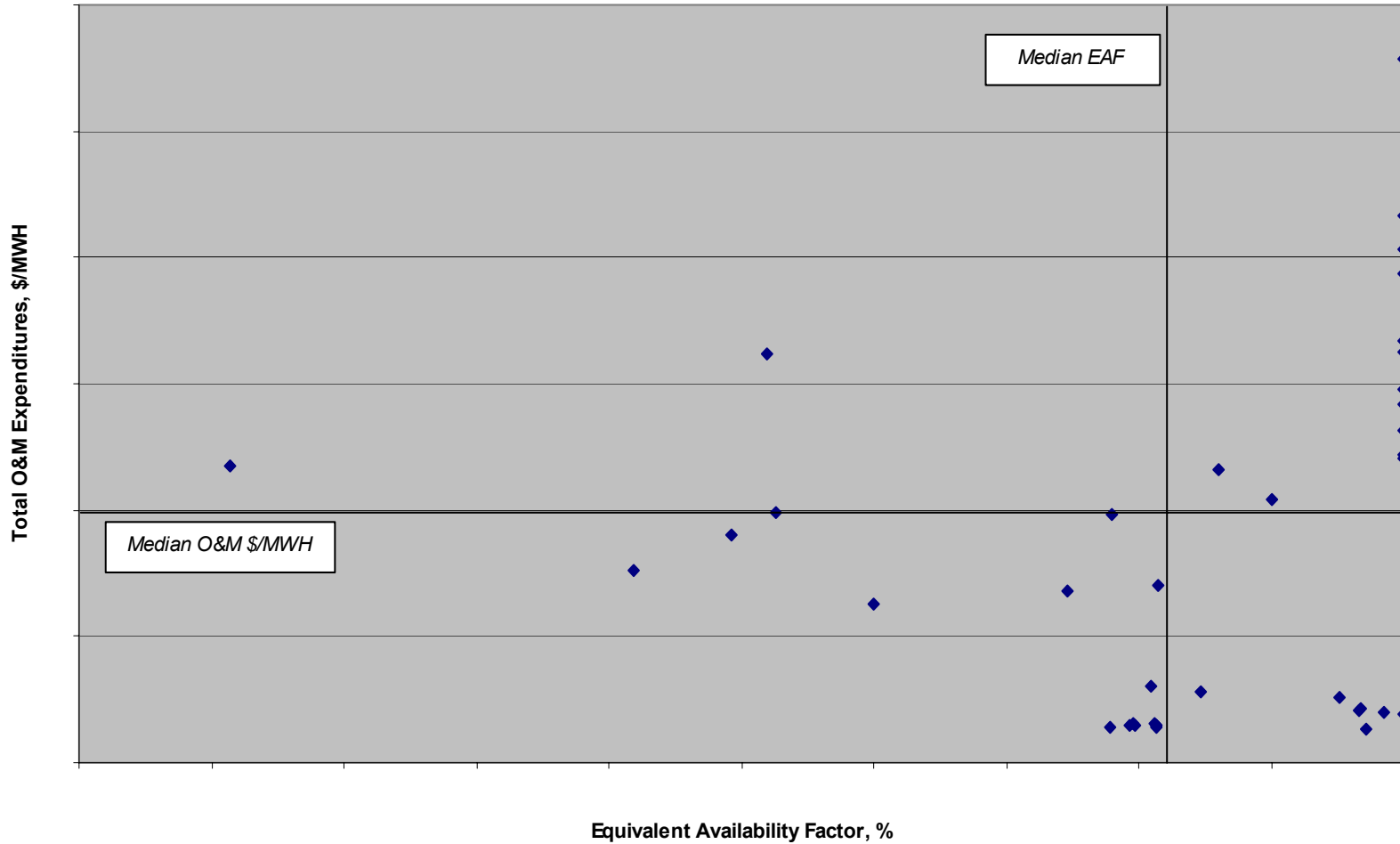




Total Non-Fuel Cost (\$/MWH) vs. NCF

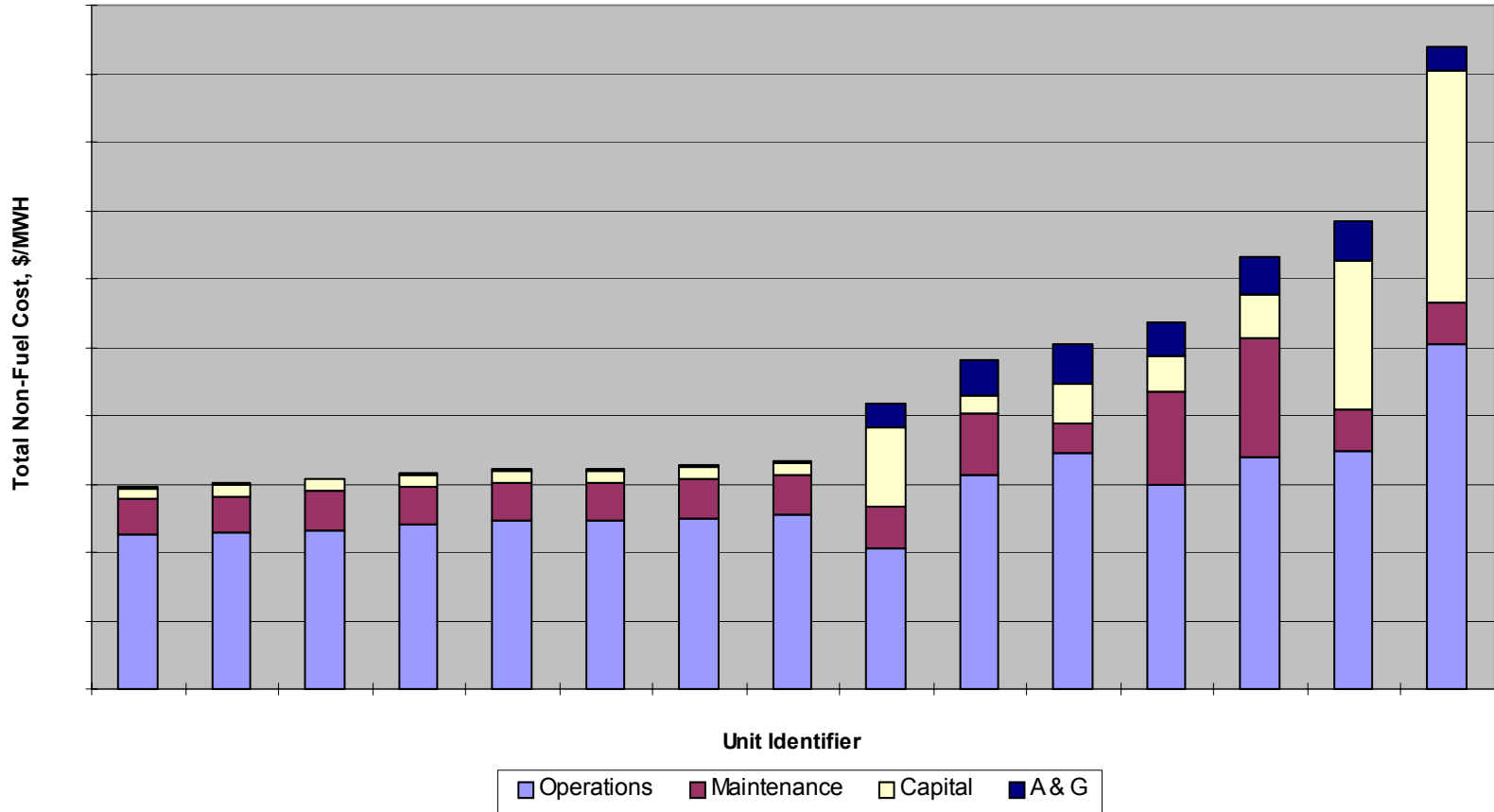


Operations & Maintenance (\$/MWH) vs. EAF

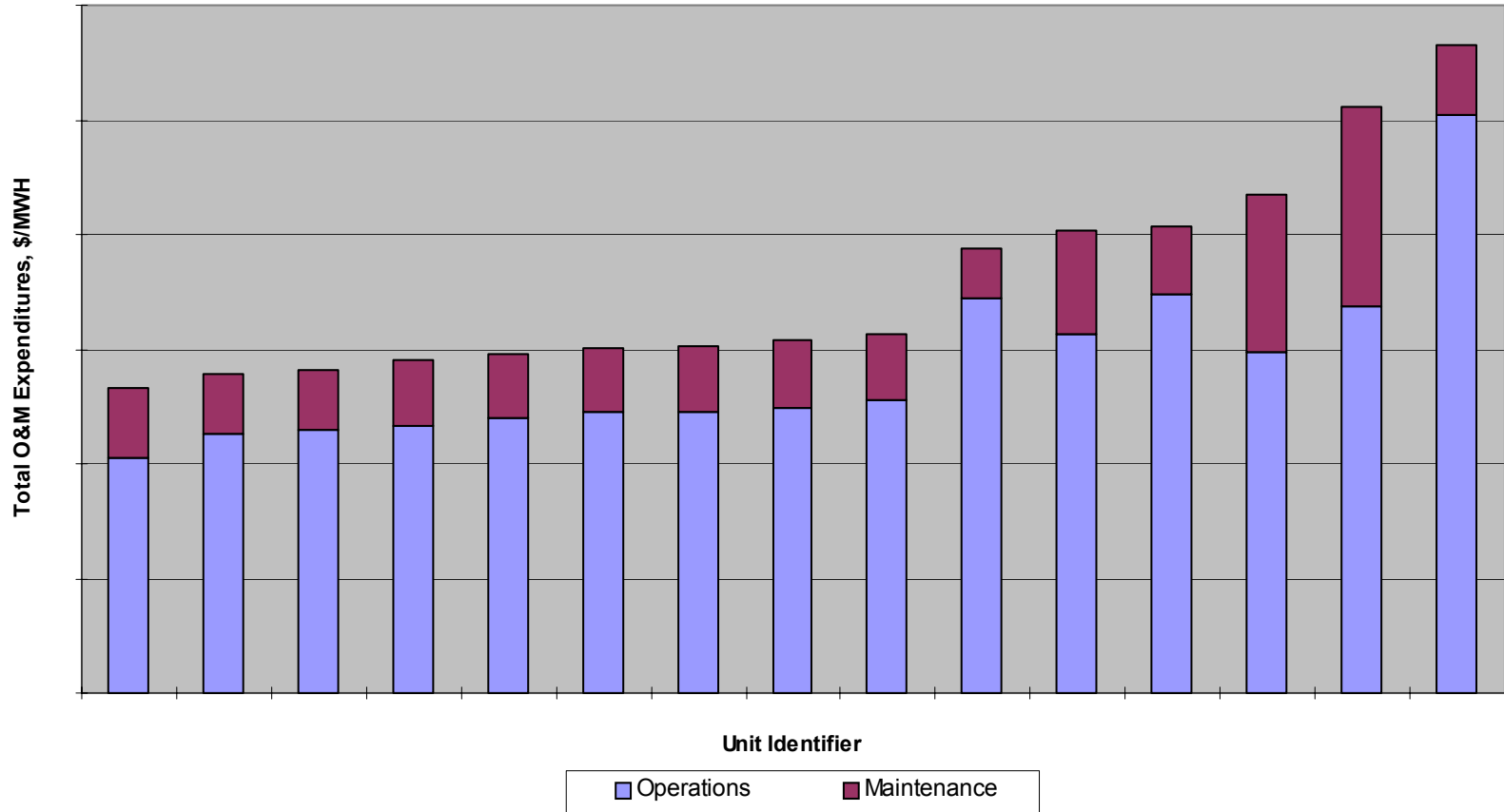




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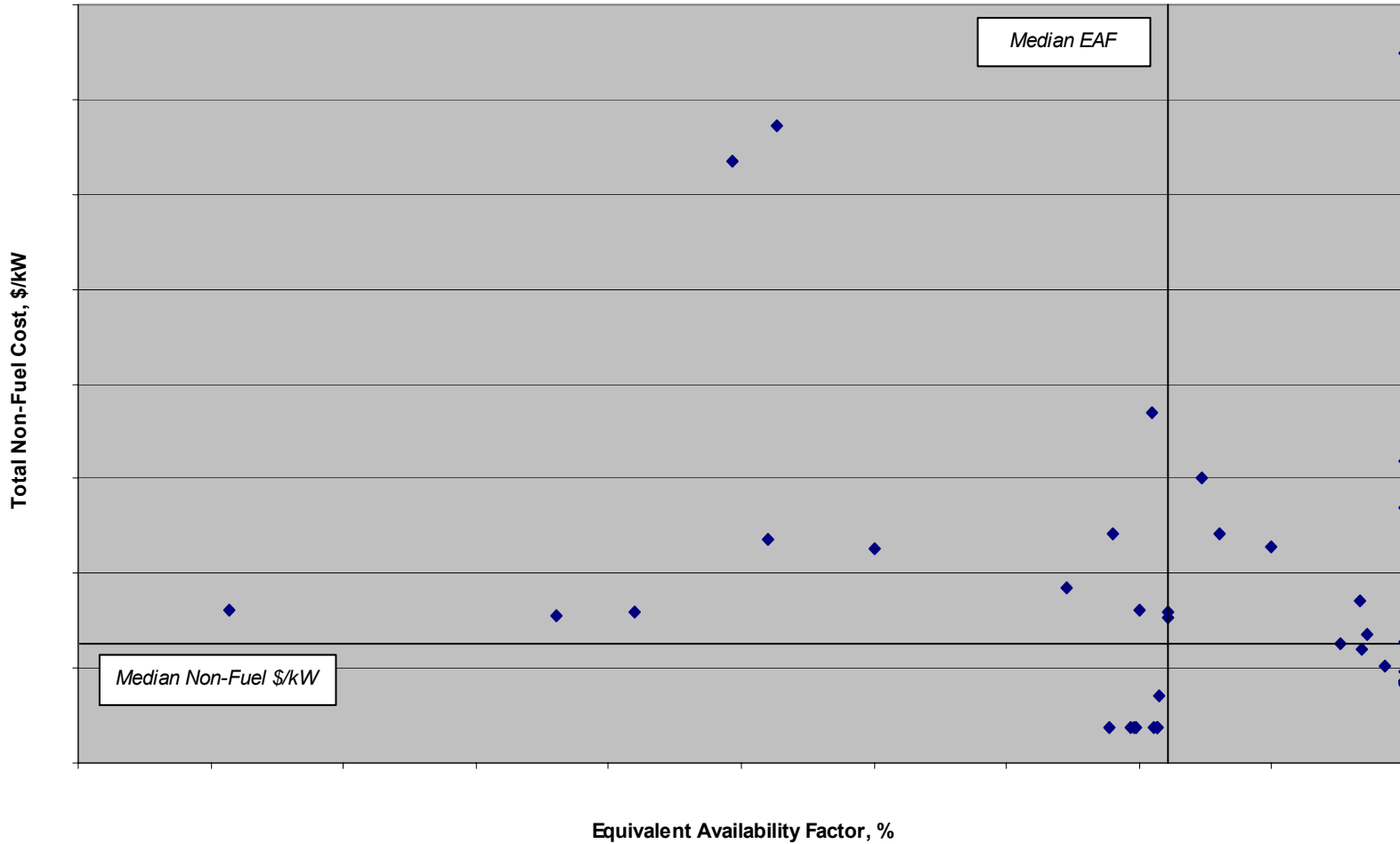


Operations & Maintenance Expenditures, \$/MWH

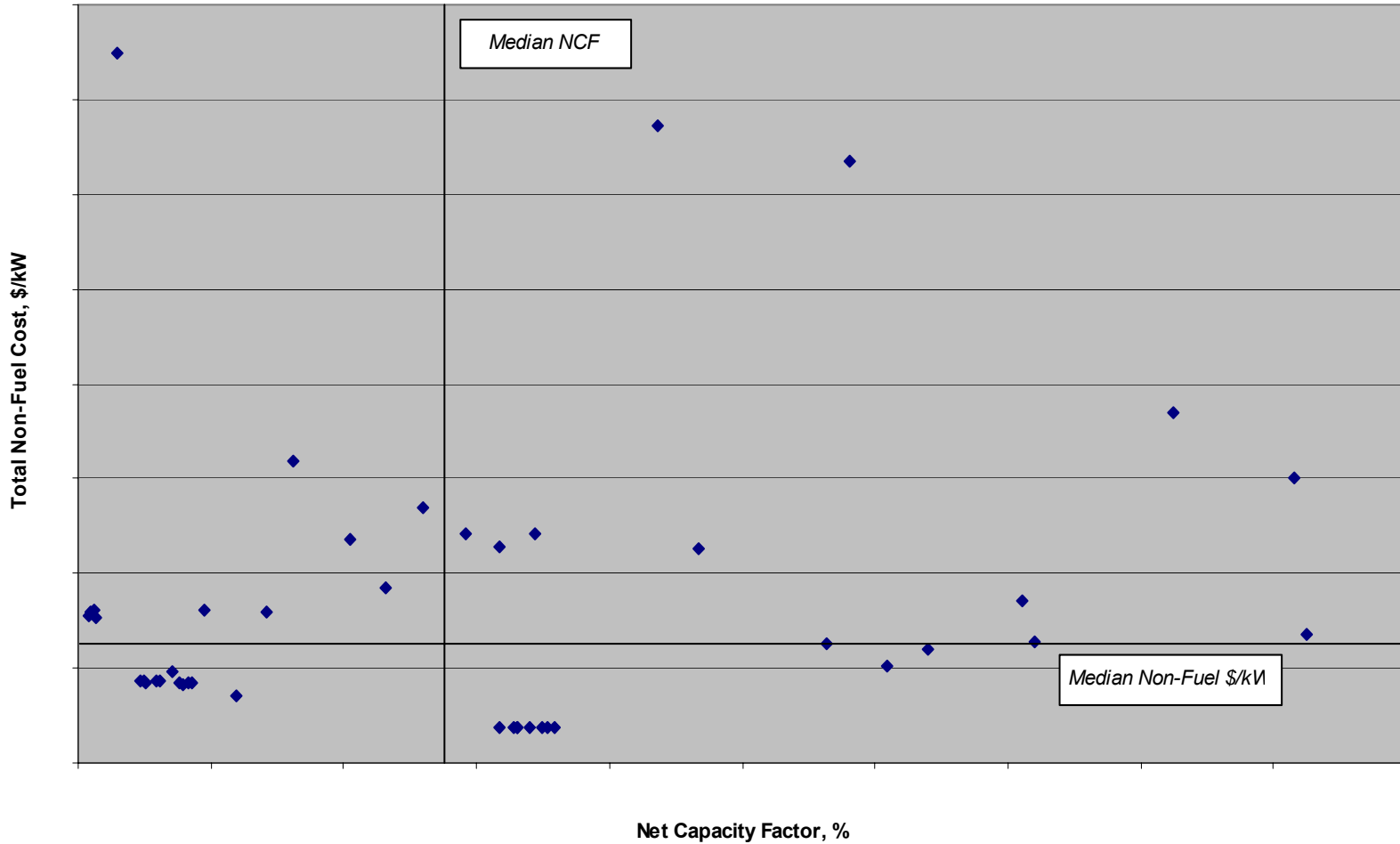




Total Non-Fuel Cost (\$/kW) vs. EAF

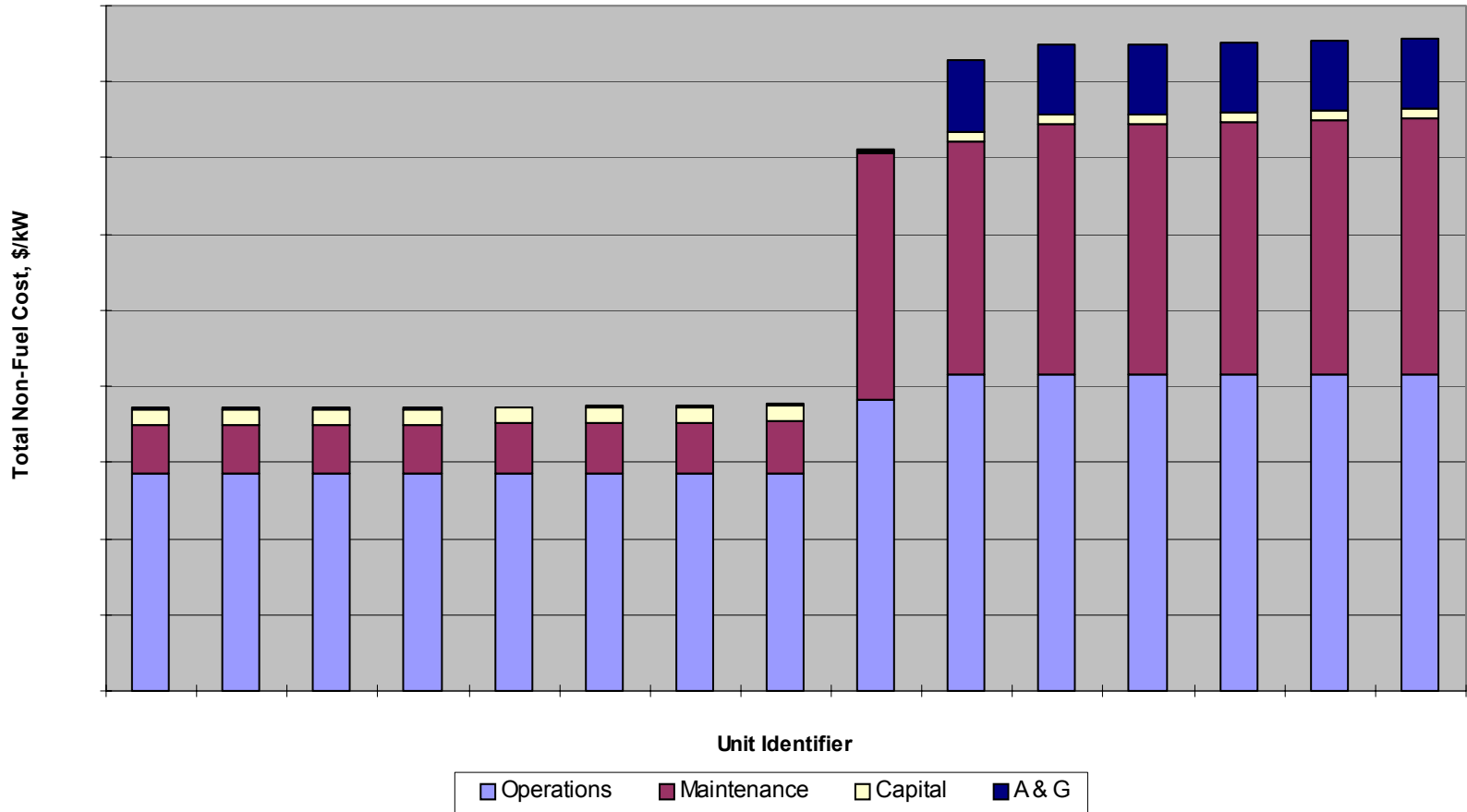


Total Non-Fuel Cost (\$/kW) vs. NCF



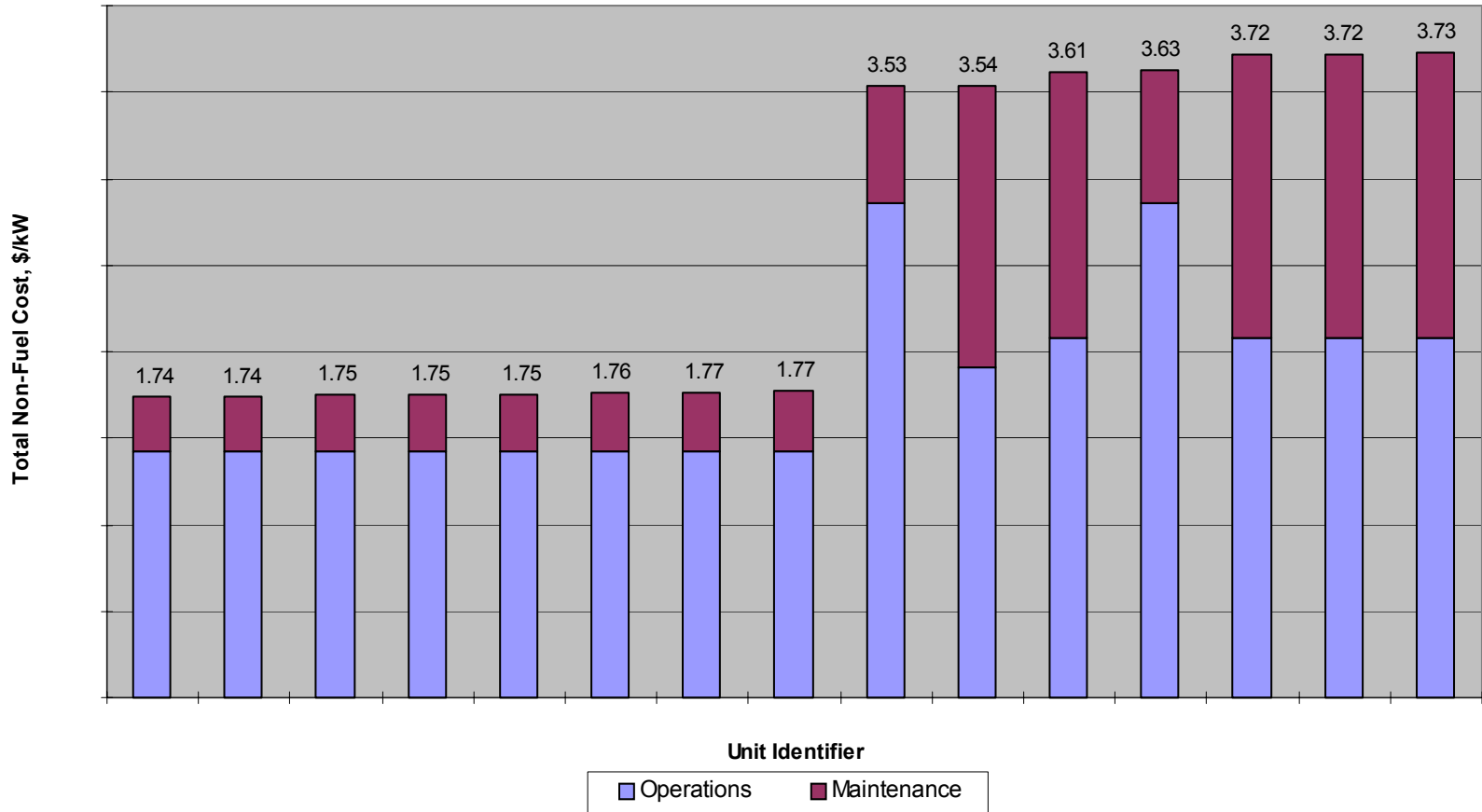


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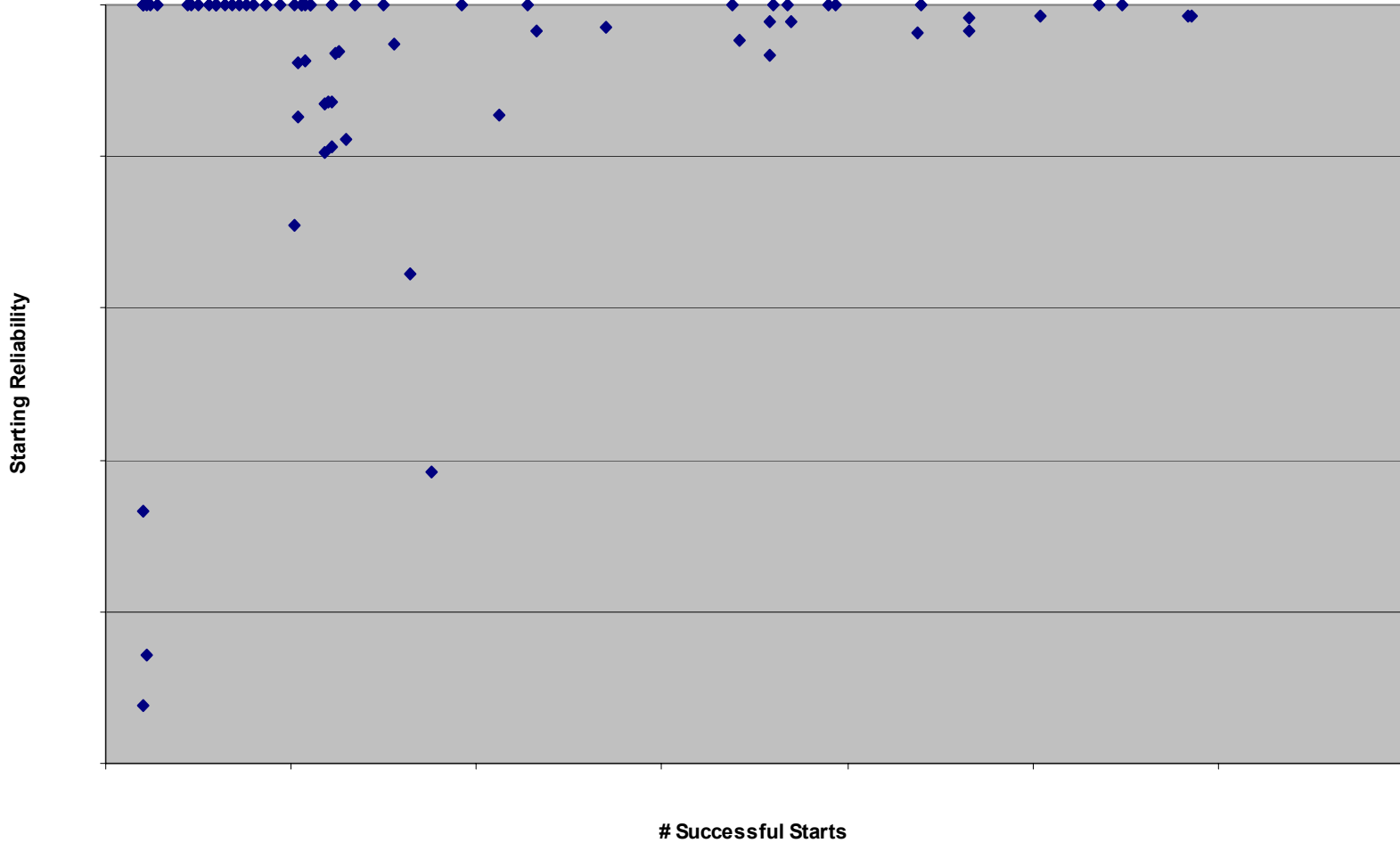


Operations & Maintenance Expenditures, \$/kW





Starting Reliability vs. Successful Starts





Starting Reliability by CT Model

