

# Capital Investment Analysis for Coal-Fired Power Plants

## Target Audience

All positions in corporate management/administration, engineering, operations, distribution, transmission and generation whose functions/tasks require financial knowledge to either understand or contribute to Capital Investment decision making.

Participants attending Excidian's course Capital Investment Analysis for Coal-Fired Power Plants should have a four-year college degree or at least 5 years experience in a plant management or supervisory capacity. They should have some business and financial acumen gleaned from academic courses or on-the-job experience.

## Course Description

This half-day course has two modules.

- I. **Financial Statements Review**—Participants learn how the three major financial statements are constructed. The Income Statement, Balance Sheet, and Cash Flow Statement are reviewed using short, animated, interactive exercises to demonstrate how routine business transactions impact each statement and to show how the statements relate to one another.
- II. **Capital Investment Decision Analysis**—Participants review Present Value and Net Present Value. A customized spreadsheet model is used to perform project valuation exercises for generic and power plant projects. Participants make decisions about inputs that ultimately drive the decision of whether to allocate capital to the projects.

## Course Highlights and Major Points

- Customized. The Capital Investment module is customized for professionals making capital allocation decisions in power plants.
- Hands-on learning. Much of the course time is spent working in large and small groups.
- Interactive. Participants are encouraged to ask questions whenever they come to mind.
- Relevant to current events. Course facilitator, John M. Hynes, MSEE, MBA relates teaching points to current industry news.
- Primary learning goal. The primary purpose of this course is to provide participants with the financial knowledge to analyze power plant projects and to make better

business decisions.

- Participants exit this course understanding the importance of applying financial analysis to accurately analyze capital projects.

### Course Format

- Instructor facilitated.
- PowerPoint presentation with LCD projector.
- Combination of lecture as well as small and large-group activities, which involve the use of calculators. Calculators and mechanical pencils will be provided.
- Participants have workbooks to follow facilitator slides.
- Interactive with any question accepted at any time throughout the course.

### Agenda

6:45 – 8 am	Room set-up by facilitator
8 – 9:15 am	Introduction / Income Statement / Balance Sheet / Cash Flow Statement
9:15 – 10:30 am	Introduction to Capital Investing / Time Value of Money / Present Value (PV) / Net Present Value (NPV)
10:30 – 11:45am	Capital Investment Analysis Using Calculators and Worksheets
11:45 – 12:45pm	Review and Adjourn

### Course Accreditation

PE Associations of WV, AR and LA have accepted this course for their continuing education requirements. Excidian has contacted the states of OH, OK, VA, TX, IN and KY to request PE acceptance for their continuing education requirements, but has learned that these states do not require continuing education credits for their PE's. The national Institute for Supply Management has accepted this course for their members' continuing education credits.

Excidian will mail certificates of completion to workshop participants in order to assist them in applying for accreditation to specific state associations. We have yet to be denied an application for accreditation of our courses by any state association.

**Pricing**

Excidian, LLC is open to pricing this half-day workshop in the same manner that the International Pittsburgh Coal Conference is pricing its other half-day workshop.

**Other Consideration**

In addition to this half-day workshop, Excidian, LLC will submit an abstract to speak at one 20-minute conference session. Excidian views its participation at this conference as a marketing opportunity for its customized financial training. Given that workshop attendance is not guaranteed and may not be profitable, Excidian, LLC would like the opportunity to attend other conference sessions and to display our marketing and training material at complimentary table space in the exhibit hall in order to maximize the overall marketing benefit of the conference to our company.



**John M. Hynes MSEE, MBA**

## **Biography**



**John M. Hynes  
MSEE, MBA**

### **John M. Hynes, MSEE, MBA**

John began his career in the energy industry in 1983. He developed and facilitated technical training programs for nuclear operators, telecommunications technicians, relay protection technicians and high voltage equipment maintenance technicians before moving on to senior positions in sales, marketing, and strategic planning. John used his financial skills to design production optimization models for heavy manufacturing clients, analyze the profitability of business and marketing plans, perform due diligence on targeted acquisitions and determine the valuation of businesses selected for investment.

Drawing on perspectives gained from his wide-ranging background and real-world management experience John develops and facilitates Excidian's Business Finance and Energy Industry Knowledge programs.

In addition to the development and facilitation of training programs, John has written the following articles for Power Engineering Magazine:

1. The Power of Financial Acumen
2. Selling Capital Projects to Management
3. How to Compare Power Generation Choices

John's experience with strategic, political, financial and organizational issues facing the energy industry, along with his extensive knowledge of finance, accounting and Wall Street have established him as an engaging and well-respected facilitator.