

## HAROLD G. BUCHANAN, II

### Critical Experience

- Trading, portfolio management and risk management in energy, foreign currency and interest rate commodities.
- Derivatives investing, structuring and management
- Corporate governance and ethics
- Fundraising and sourcing capital across the continuum of investor types
- Investing in Commodity markets, structured finance, equities and start-ups
- Executive management in 2 Fortune 100 companies
- Board seats in various organizations including profit and not for profit
- Managing multiple funds through the 2007 financial crisis

### Work History

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|---------------------------|--|------------------|
| 2016 – present            | <b>RADY SCHOOL OF MANAGEMENT</b><br><b>Lecturer</b>  | La Jolla, CA     |
|                           | <ul style="list-style-type: none"><li>• Teach classes MGT 181-Enterprise Finance, MGT 183 Investments and MGT 16-Personal Ethics at Work</li></ul>   |                  |
| 2016 – present            | <b>ENERGY CAPITAL PARTNERS GP</b><br><b>Advisor</b>  | Short Hills, NJ  |
|                           | <ul style="list-style-type: none"><li>• Advise \$26 Billion Private Equity Firm on transactions and strategy in clean energy and environmental commodity markets.</li></ul>  |                  |
| 2004 - 2016               | <b>CE2 CAPITAL PARTNERS</b><br><b>Founder – Managing Partner</b>   | Solana Beach, CA |
|                           | <ul style="list-style-type: none"><li>• Raised and managed over \$500 Million in funds in multiple investment vehicles. Investments were focused on clean energy, renewable energy and pollution reduction trading markets. Invested in complex structured debt and equity instruments to enable projects and create attractive returns. Traded renewable energy credits, regional pollution reductions and carbon allowances in international and domestic markets.</li></ul> <ul style="list-style-type: none"><li>□ Managed the hedge fund CE2 Environmental Markets</li><li>□ Managed the private equity fund CE2 Environmental Opportunities</li><li>□ CEO of the investment company CE2 Carbon Capital LLC</li></ul> |                  |
| 2005 – 2012               | <b>LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY</b><br><b>Board of Directors, Chairman of Audit/Finance Committee</b>   | San Diego, CA    |
|                           | <ul style="list-style-type: none"><li>• One of the largest non-profit biomedical research institutes in the world</li></ul>  |                  |
| 2002 – 2003               | <b>SEMPRA ENERGY</b><br><b>Senior Vice President Business Development</b>  | San Diego, CA    |
|                           | <ul style="list-style-type: none"><li>• The unregulated subsidiary of Sempra Corporation - all non-regulated businesses</li><li>• Responsible for all transactions in North America</li></ul>  |                  |
| 1992 –2002<br>1998 – 2002 | <b>ENRON CORPORATION</b><br><b>President, Chief Operating Officer</b><br><b>Enron Energy Services</b>  | Houston, TX      |

- Responsible for strategy, M&A, business development and contract negotiation in the organization
- Managed 600 people responsible for originating, negotiating, structuring, financing, and pricing complex financial transactions

1992 - 1998

***Vice President and Head of Trading  
Enron North America***

- Enron North America's U.S. trading and origination business. The largest energy trading operation in North America. Enron On-line was the largest web site executing commercial transactions

- Established the Derivatives Trading Group in 1992
- Founding member of the Electricity Trading Team in 1994, a newly deregulated market - became the largest trader of electricity in North America
- Given responsibility for all trading and origination in 1996.

- This business was characterized by highly sophisticated financial arrangements including energy commodities, derivatives, interest rate and foreign currency hedging, financing, credit management, and negotiation of complex contracts

1986 to 1992

***ACCENTURE  
Senior Manager - Strategy Consulting***

**Houston, TX**

- Managed the Energy Group in the fledgling U. S. Strategy Consulting Practice.
- Worked to rationalize assets, identify acquisition targets, improve operations and expand into new and developing markets

**Education**

2001 to 2002

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY SLOAN  
SCHOOL OF MANAGEMENT**  
MBA, June 2002

**Cambridge, MA**

1982 to 1986

**FISHER COLLEGE OF BUSINESS  
THE OHIO STATE UNIVERSITY**  
BSBA Accounting, June 1986  
Marathon Scholar / University Scholar

**Columbus, OH**

**PUBLICATIONS AND PRESENTATIONS**

"The Sequels: the Transition of Voluntary and Pre-compliance Markets", April 13, 2011, *the American Carbon World Conference*

"Harold Buchanan Keynote Speaker", February 7, 2010, *UCSD Financial Horizon's Conference*.

"Environmental Offsets" March, 2010, *Environmental Finance - Carbon Markets North America Conference*.

"Harold Buchanan Keynote Speaker" March 14, 2006, *the Wall Street Green Trading Summit*.

"Accountants and "Insider" Trading" joint with Professor Bruce Gaumnitz, July 1987, *Accounting Horizons: Journal of the American Accounting Association*.

**REFENCES AND INTERVIEWS**

"International REDD Faces Uphill Battle in California in 2014", October 8, 2013, *Ecosystem Marketplace*.

"A Welcome Intervention?" Winter 2012, *Environmental Finance Magazine*.

"Harold Buchanan, Managing Partner, discusses U.S. cap and trade", September 2009, *Argus Media*.

"Harold Buchanan, Managing Partner of CE2 Capital Partners, discusses price signals for a US federal cap-and-trade program" September, 2009, *Environmental Finance Magazine*.

"Congress eyes OTC ban" August 14, 2009, *Carbon Finance*.

"Cold Calculation" July 3, 2000, *Forbes Magazine*.

"Owens Corning Agrees to Buy Energy Services From Enron" September 22, 1999, *The Wall Street Journal*.

"Enron, Dell, and Cisco are tops among America's Best Sales Forces" July 1, 1999, *Sales and marketing Magazine*.

#### **HONORS AND AWARDS**

CE2 Capital Partners named 2009 Emissions House of the Year by Risk Magazine, October 12, 2009, *Risk Magazine*

CE2 Capital Partners named 2012 "Best Trading Company", Dec2012/Jan2013, *Carbon Trading Magazine*