Introductions

Marcus Castain ’98
Career Adviser, Parker CMC
• Teaches career management and advises MBA students
• 23 years experience in private sector, non-profits, start-ups, city government, and philanthropy including founding a green jobs program in the water sector in Los Angeles
• Enjoy riding my bike to campus

Josh Rothermel ’25
ECA President
• Interning at Arbor Energy, a carbon capture & storage (CCS) start-up
• 6+ years in the EV industry with Rivian where I helped scale them from 86 employees to >15,000
• Career switching from HR to Strategy
• My car has been to Jay-Z’s house, but I haven’t

Jill Zhang ‘25
ECA EVP
• Interning at Eaton this summer as a PM working on EV charging solutions
• Background in Mechanical Engineering, 6 years in industrial automation with a focus in the automotive/EV industry in my last role
• Lived in 5 states and visited 16 countries so far!
What questions do you have about energy/cleantech/sustainability?
U.S. Market Overview

• Definitions
  • Renewable Energy, CleanTech/ClimateTech, Sustainability, Environmental Social and Governance (ESG)

• Market Drivers
  • Climate Crisis, Consumer Demand
  • ESG Investor Demand, Decarbonization, Corporate Sustainability
  • Paris Accord, Inflation Reduction Act (IRA), CHIPS Act, State and City legislation
  • De-globalization

• Growth and Investment
  • Climate Investment: $23 trillion in emerging markets by 2030 (Source: IFC)
  • Climate Adaptation: a $2 trillion market (Source: World Economic Forum)
  • $70.1 B in 2022 from VCs; 40X larger than 10 years ago (Source: HolonIQ)
**Advantages of California**

<table>
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<tr>
<th>Innovation Economy</th>
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<tr>
<td>Diverse Set of Industries</td>
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<td>Silicon Valley and Silicon Beach</td>
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<td>Immigrant-Friendly – Connected to Rest of World</td>
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<td>Appreciation of Diversity</td>
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<td>Entrepreneurial</td>
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<td>Progressive Public Policy</td>
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<td>Concern for Environment</td>
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<td>Strong Public Universities</td>
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~80% of Anderson alums stay on the West Coast, ~65% in California
Importance of California Leadership in Climate Change

- Very Important, 43
- Somewhat Important, 28
- Not Too Important, 15
- Not At All Important, 13

Source: PPIC 2021

California Policy Leadership

- 1978: Title 24 Building Energy Efficiency Standards
- 1990: Zero Emission Vehicle Mandate
- 2006: AB 32: Global Warming Solutions Act
- 2008: Reduce Greenhouse Gas Emissions
- 2009: Low Carbon Fuel Standard
- 2010: Sustainable Communities Strategy
- 2011: Renewable Portfolio Standard
- 2012: Mandatory Commercial Recycling
- 2013: Cap and Trade Program
- 2014: Charge Ahead California
- 2018: 100% Clean Energy by 2045
- 2022: California Climate Commitment
  - Carbon Neutrality by 2045
  - Restrict oil Drilling
  - 100% Clean Electric Grid
  - Capture and Remove Carbon Pollution
  - Nature-Based Solutions
- 2022: ARB Bans Sale of New Gas-Fueled Cars after 2035
**Source:** Cleantech Group

*Excludes deals above $350M*

**Dollars (left) and volume (right) of global cleantech venture capital deal activity**
“It is my belief that the next 1,000 unicorns — companies that have a market valuation over a billion dollars — won’t be a search engine, won’t be a media company, they’ll be businesses developing green hydrogen, green agriculture, green steel and green cement.”

Larry Fink ‘76
Blackrock
VC dealflow is large, diverse, and growing.

Silicon Valley now boasts more than 130 VC firms focused on Climate
ENERGY AND CLEANTECH ASSOCIATION

“To make Anderson the leading institution for education, innovation, and career development in the energy, mobility, and cleantech sectors”
ECA Activities

• DOJ week
• Energy 101s
• Career fair
• Energy Innovation Conference
• Alumni D48s
• Company info sessions
• Alumni and job connections!
Management Courses

MGMT246A: Business Sustainability and the Environment
MGMT298D: ESG (Environmental, Social and Governance) & Sustainability Reporting
MGMT298E: Energy, Climate Change and Finance
MGMT298D: Technology and Society: A Dynamic Relationship and The Changing Role of Leaders
MGMT298E: Accounting, Finance and ESG
MGMT296: Social Impact Consulting
MGMT298: Impact Investing I and II
MGMT440: Advanced Business Strategy: Managing the Non-Market Environment

Prof Magali Delmas

Prof Ivo Welch
Alumni/Corporate Partnerships
Think in the next.