SUSTAINABLE ENERGY DEVELOPMENT PROGRAM

UNIVERSITY OF HOUSTON MICRO-CREDENTIALING PROGRAM

Info Session
Thursday, July 9th, 2020

UNIVERSITY of HOUSTON UH ENERGY
Charles McConnell
Energy Center Officer
Center for Carbon Management in Energy,
University of Houston
Learn more about the Sustainable Energy Development Program:

https://uh.edu/uh-energy/sed-program/
Welcome and Introduction

Course Outline for the 4 weeks:

• 2 Hours per day – 2 days per week
• Quiz after each lecture – 3 lectures/day
• After the end of each week a take home quiz – 80% requirement to progress to the next week
• These 3 take home quizzes and the final on day 8 (week 4) to earn Badge #1
Course Objectives

• The Fundamentals of the Energy Transition
• Foundational Understanding
  ▪ Systems-Level Decision-making
  ▪ Markets and Decision-makers
  ▪ Sustainability
  ▪ Sustainable Development in the Context of Global Climate Change
Engagement Will Maximize Your Learning Experience

- Listen and Understand
- Question and Participate
- Think about how this applies to you
Day 1 - Key Learnings:

• Enterprises That Make Decisions and the Energy Trilemma

• The origins of energy – sustainability – and complexity of sustainable development

• Major Energy Markets-
  ▪ Oil and Gas: Fuels and Feedstock
  ▪ Chemicals & Materials: Petrochemicals, Bio-derived
  ▪ Electric Power: Fossil, Renewable & Nuclear
  ▪ Alternate & Renewable Fuels and Feedstock
Questions?