**Context and Background:**

Matthew Bulpitt, Vice President of Power Development for Entergy Louisiana, LLC, provides detailed testimony supporting ELL’s application for approval of constructing Combined Cycle Combustion Turbine (CCCT) units to serve a significant new customer load in Richland Parish, North Louisiana. His testimony addresses technology selection, construction schedules, cost estimates, risk management strategies, and CCS (Carbon Capture and Storage) integration.

**Key Points and Sections:**

**I. Introduction and Background:**

* Bulpitt’s role includes project management oversight for large-scale power generation and storage projects, including carbon capture and hydrogen technologies.
* He previously held roles in nuclear engineering for the U.S. Navy, capital project management, and transmission system operations.

**II. CCCT Technology:**

* ELL selected CCCT technology for its efficiency, flexibility, and relatively low greenhouse gas emissions.
* The project proposes three 1x1 CCCT units (each approximately 754 MW capacity), utilizing Mitsubishi combustion turbines with hydrogen co-firing capability.
* The units will include infrastructure designed to accommodate future CCS integration.

**III. Units 1-2 Timeline and Cost:**

* Units 1 and 2 will be adjacent to the customer’s facility in Richland Parish.
* **Key Project Timeline**:
  + Substantial completion targeted by November 2028.
  + Commercial operation date (COD) by December 2028 (*Table 2, page 19*).
* **Cost Estimates** (*Table 3, page 27*):
  + Estimated total project cost: approximately $2.39 billion.
  + Includes EPC (Engineering, Procurement, Construction) costs, contingency, transmission interconnection, and upgrades.
  + EPC costs primarily fixed-price contracts for certainty and risk reduction.

**IV. Unit 3 Timeline and Cost:**

* Unit 3, located in SELPA, will follow a separate competitive procurement process.
* Target COD by December 2029.
* Project timeline milestones detailed in (*Table 5, page 40*).

**V. Construction Risk Management:**

* Risks addressed include project delays, cost overruns, supply-chain uncertainties, and site-specific construction challenges.
* EPC contract structure (fixed-price) includes incentives for timely completion and liquidated damages for delays.
* EPC consortium manages major risks, particularly regarding long-lead equipment procurement and site conditions.

**VI. Carbon Capture and Storage (CCS):**

* CCCT units designed with future CCS capabilities, aligning with anticipated EPA Phase 2 CO₂ emission standards effective January 1, 2032.
* CCS implementation could reduce CO₂ emissions by approximately 95%.
* CCS considerations significantly influence unit design, including site layout and infrastructure requirements (*Page 49*).

**VII. Summary of Key Testimony Points:**

* CCCT technology is the optimal choice given reliability, flexibility, and efficiency criteria.
* Accelerated timeline driven by customer demand necessitated CCCT selection.
* ELL has substantial experience managing similar projects successfully.
* Comprehensive risk management and EPC structure designed to mitigate project risks effectively.
* CCCT units prepared to integrate CCS technology, ensuring long-term compliance with emission standards.

**Exhibits Provided:**

* Exhibit MB-4 (*Page 58*): Organizational chart for the operations staff at Richland Parish location.
* Exhibit MB-5 (*Page 59*): Site layout diagram detailing CCCT Units 1 and 2.

The testimony emphasizes comprehensive project management, clear cost estimations, and proactive risk management strategies to ensure successful project delivery while supporting Entergy’s strategic goals and compliance with environmental standards.