

## **St. Charles Clean Fuels – Blue Ammonia Project**

Low carbon blue ammonia production from 2027 in Louisiana

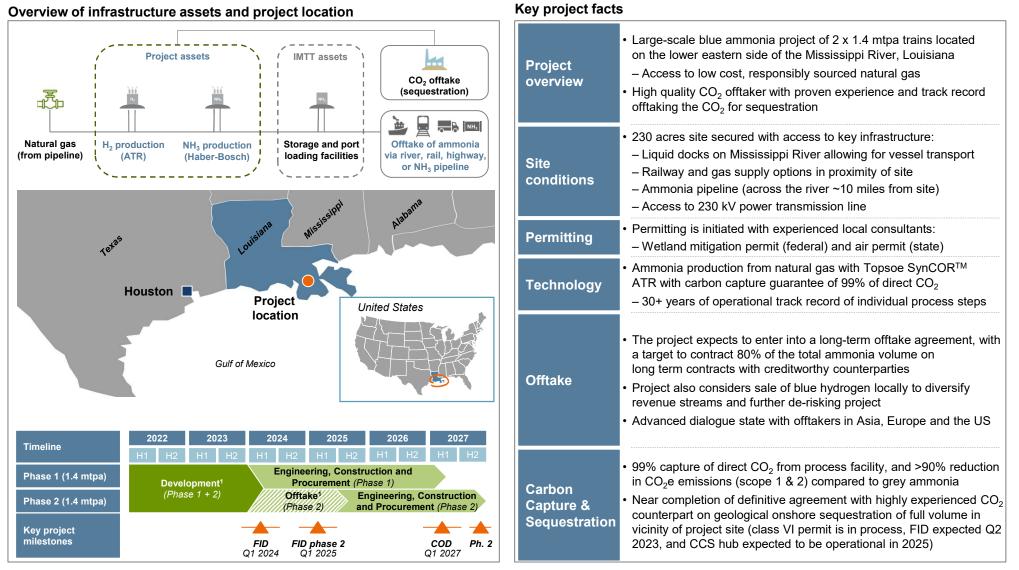




Sustainable Fuels Group

### Introduction to the St. Charles blue ammonia project

Large-scale blue ammonia project in Louisiana, with annual output of 2 x 1.4 million tons per year ammonia (NH<sub>3</sub>)



Notes: 1) If sufficient offtake volume is secured in the development phase for phase 1 + 2, the construction of phase 2 will begin after the development phase in H1 2024;

CIP

### Introduction to the St. Charles project site

Unique site of 230 acres benefitting from existing infrastructure including export dock and terminal facilities

#### Overview of IMTT site including project site and infrastructure



New CO<sub>2</sub> pipeline

- Ammonia pipeline to be built on existing pipe racks
  - 230 kV power transmission line (existing)



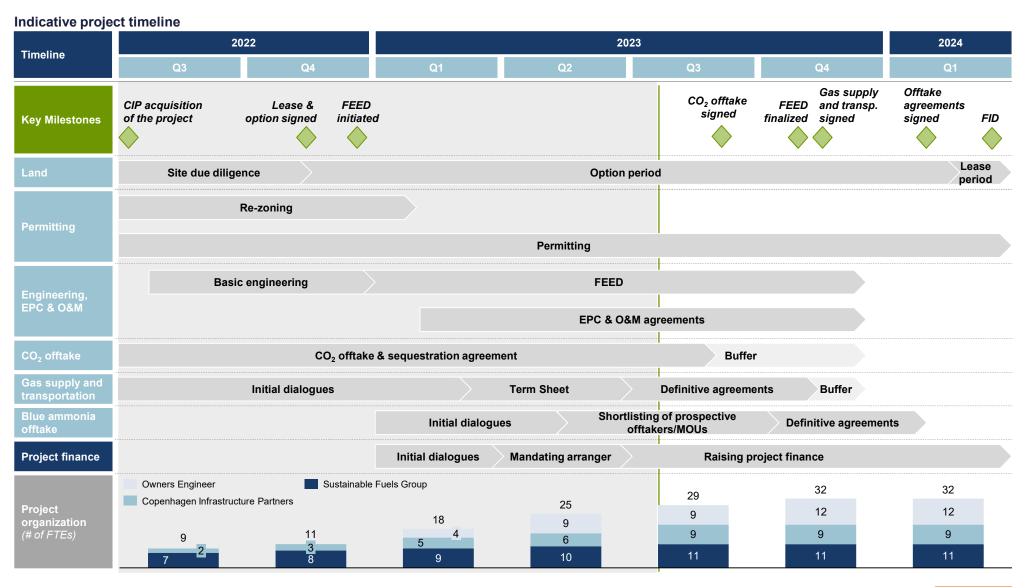
- St. Charles Project Site
- 230-acre (~95 ha) site leased from site owner, IMTT
- Wetland site under permitting for industrial development. Piling required as typical for US Gulf Coast area
- Site elevation, drainage and levees mitigate flooding risk
- · No endangered animal species
- Re-zoning completed in Q1-2023 (heavy industrial)

### 2 St. Rose tank terminal IMTT

- IMTT's St. Rose tank terminal have been in operation since the 1930's, handling various petrochemical and crude products, and host key infrastructure which facilitate construction and operations
- Existing 230 kV transmission line
- Highway and railway adjacent to site
- High-pressure gas pipeline running adjacent to site and two other gas pipelines are in proximity to site
- CO<sub>2</sub> transport either from conversion of existing EnLink low-pressure pipeline or a new dedicated pipeline to be constructed
- Lay-down land and harbor access to facilitate construction
- Site includes unique existing ammonia export routes via i) existing docks, ii) existing rail connection, and iii) proximity to NuStar ammonia pipeline

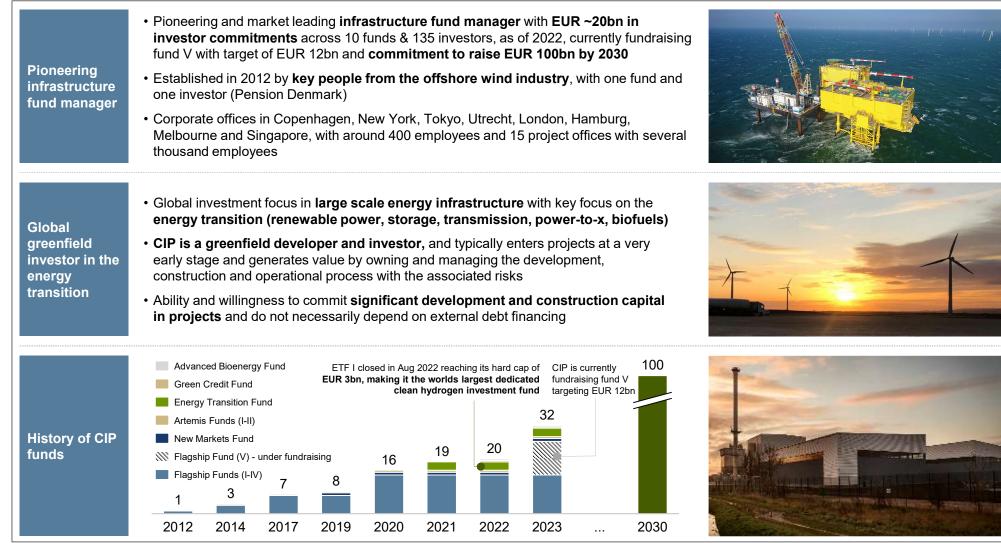
### **Envisaged development timeline**

Development plan to bring project to feasibility and financing decision in Q1 2024



### Introduction to Copenhagen Infrastructure Partners ("CIP")

#### History and overview of CIP



### **Overview of CIP investments**

Greenfield development pipeline of +100 GW and ~11 GW projects in construction and operations

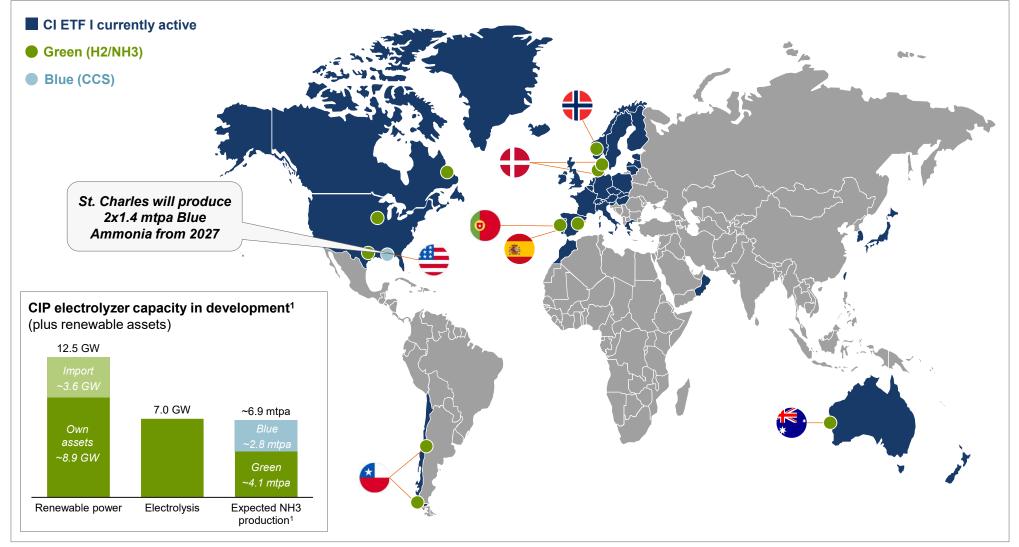


Notes: 1) Thermal includes biomass, waste-to-energy and geothermal; 2) Storage includes pumped hydro and battery storage Source: CIP

# CI ETF is developing large scale clean ammonia and hydrogen projects in optimal locations around the world

7 GW electrolysis and 12 GW renewable power currently under development globally for green hydrogen/ammonia/SAF production

#### Geographical overview of CI ETF I projects



### Introduction to Sustainable Fuels Group (Developer of St. Charles)

- Sustainable Fuels Group ("SFG") is the developer of the Project and drives the day-to-day management, actively supported by CIP appointed team members and seconded project specialists
- Sustainable Fuels Group is a Delaware LLC formed by highly experienced energy professionals to develop, install, construct, and operate a portfolio of sustainable fuels projects

#### **Key Personnel**



Ramesh Raman – *CEO* 

- 30+ years of experience in development from the Energy sector
- Previously: Taylor-DeJongh, a boutique merchant bank which arranged USD 250bn of debt and equity financings



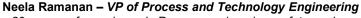
John G. Baguley – Sr. Construction and Project Manager

- 40 years of experience in executive mgmt. from the Energy sector
- Has been involved in leading the execution of greenfield construction projects totalling in excess of USD 50bn



 Matthew D. Conlan – VP of Finance and Commercial Contracts
 25 years of experience in corporate finance and energy market expertise from major NY Investment Banks or hedge funds
 Leader in development of low-carbon hydrogen-based fuels





- 20+ years of experience in Process engineering, safety, and manufacturing/operations management
- Leading Process Engineer on USD 1.8bn Gulf Coast Methanol Park

#### David Redeker – VP of Strategic Partner Relations

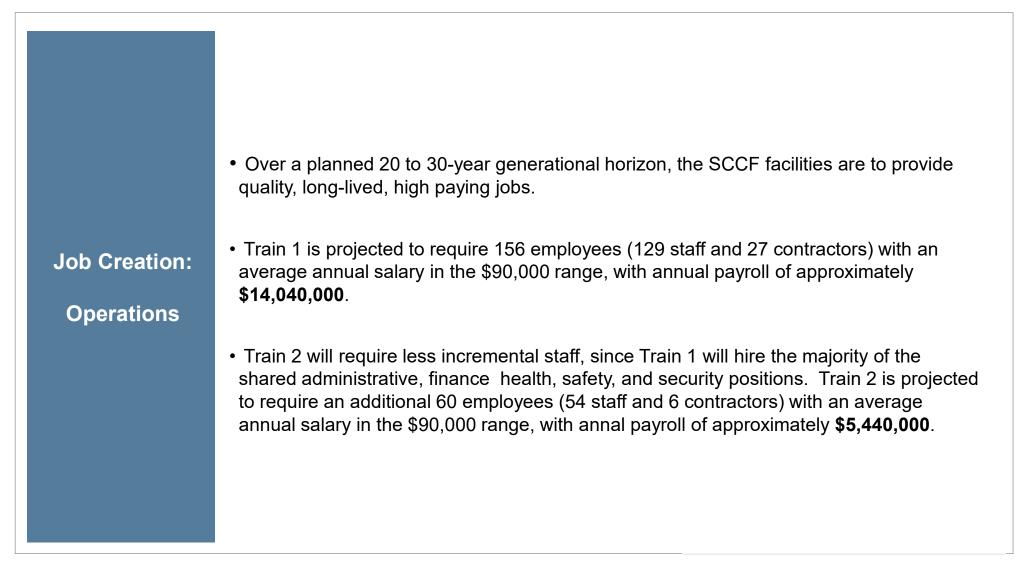
- 34 years of experience at BP/Amoco including business development, commercial contract negotiations, strategic planning, natural gas marketing, Gas-to-Liquids Technology, and field operations.
- 7 years developing chemical projects on U.S. Gulf Coast

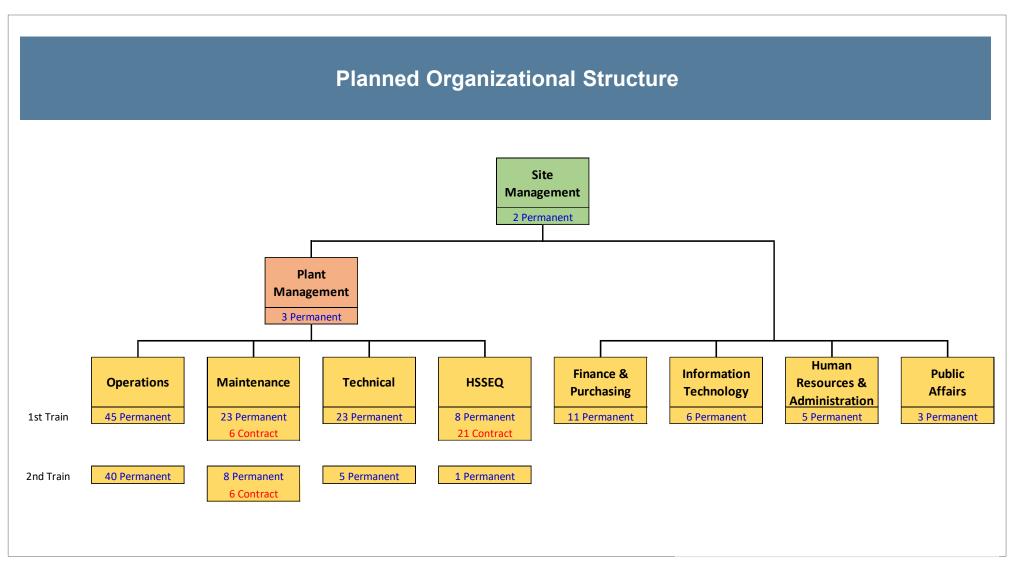


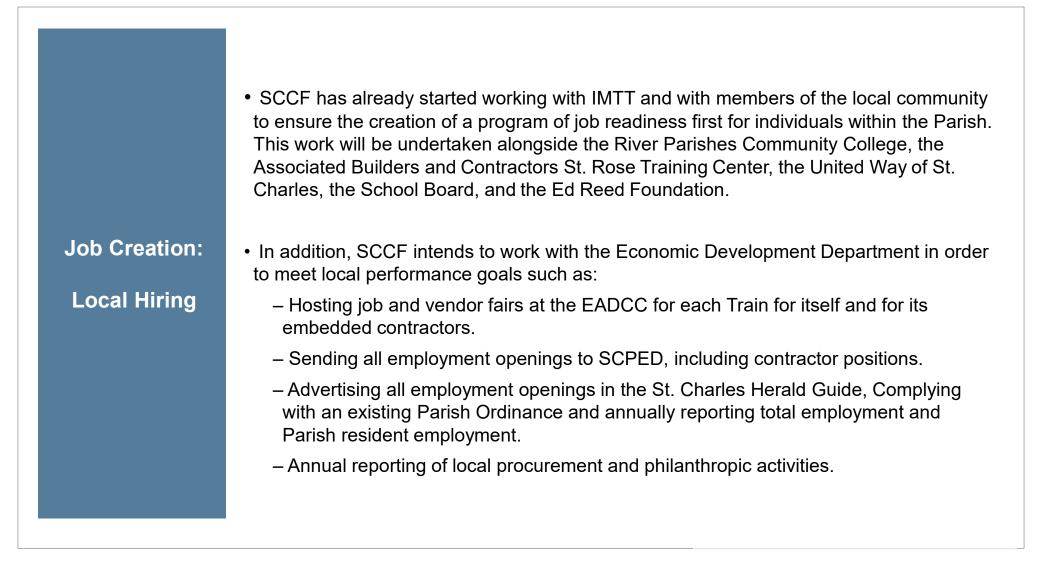
#### Sankar Teelucksingh – Commissioning and Operations Manager

- 30 years of experience in operations, commissioning, and start-up of ammonia and methanol facilities
- Led operations and start-up of U.S. plants valued at USD 2 billion

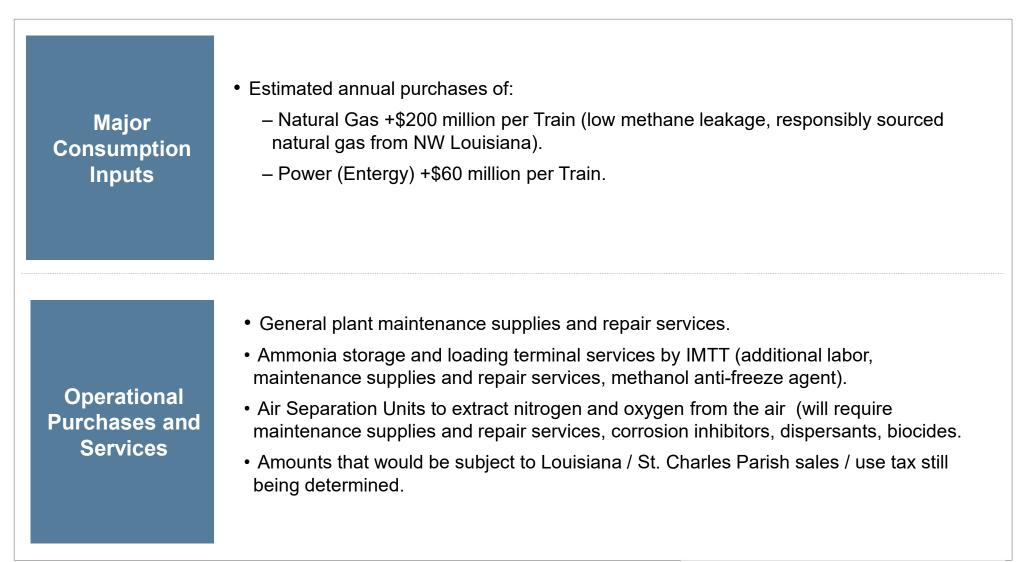
Job Creation: Construction	<ul> <li>Should the construction of the two blue ammonia trains be separate by 6-12 months, SCCF envisions a peak construction workforce of approximately 2,000 people during the peak construction overlap period.</li> <li>Over the 3-year 2024-2027 construction period, Train 1 is expected to have an average construction workforce of 840 people. With an expected wage of \$80,000, this would result in an average annual payroll of \$67,200,000, or \$201,600,000 over the three-year period.</li> <li>Over the 3-year construction period, Train 2 is expected to have an average</li> </ul>
	<ul> <li>construction workforce of 560 people. With an expected average wage of \$80,000, this will result in an average annual payroll of \$44,800,000, or \$134,400,000 over the three-year period.</li> <li>Note that the workforce and capital spend for Train 2 is lower than Train 1, since the Train 1 construction includes the building of infrastructure and common facilities that will ultimately be shared between the two Trains.</li> </ul>



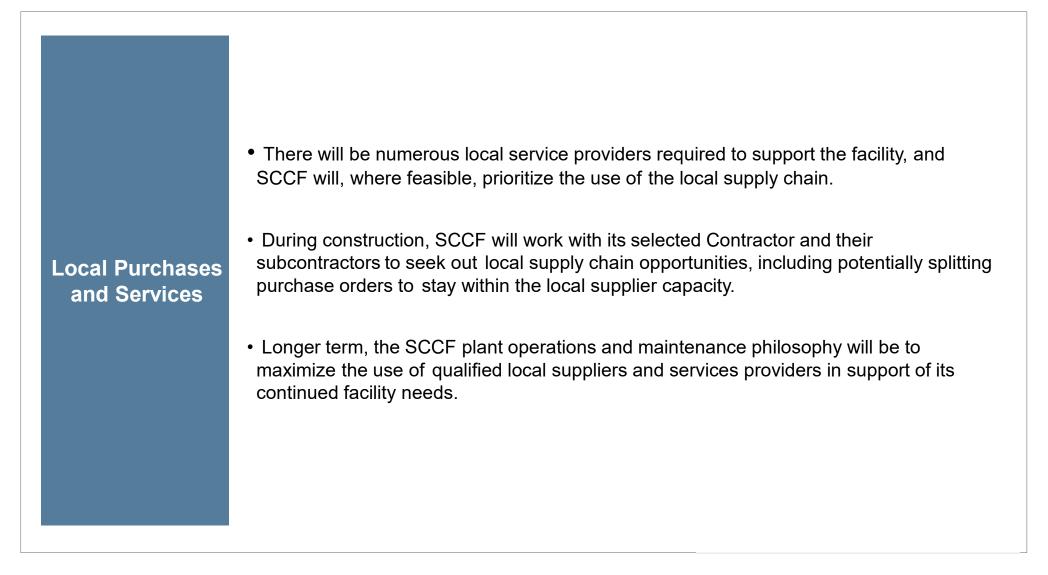




### **Project Benefits: Purchases and Services**



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# Industrial Tax Exemption Program (ITEP) Applications

ITEP Application Process	<ul> <li>SCCF has submitted two separate ITEP applications to Louisiana Economic Development for its two planned blue ammonia production facilities.</li> <li>The ITEP applications have been deemed "review complete" and are planned to be on the agenda for the August 23 Board of commerce and Industry meeting.</li> <li>SCCF is seeking local pre-approval of its ITEP applications in advance of the State approvals.</li> </ul>
Property and Sales Tax Projections	<ul> <li>Over the ten-year ITEP horizon, property taxes on manufacturing equipment for the 2 Train operation that would be paid to the local Parish taxing authorities, are projected to aggregate just under \$100 million (approximately \$10.5 million in year 1 of operations, down to approximately \$7 million in year 10).</li> <li>In addition to the ITEP capital that is deemed integral to the manufacturing process, SCCF will also have supplemental capital for administrative and security buildings, critical spare part and general maintenance inventories, plus other general site infrastructure. Current estimates are that this could add an additional \$0.8 million per year in property taxes.</li> <li>Sales tax to the Parish during the construction period is estimated to be roughly \$60 million. During regular operations, an additional \$1.5 million in sales tax on non- exempt materials and supplies is also projected.</li> </ul>