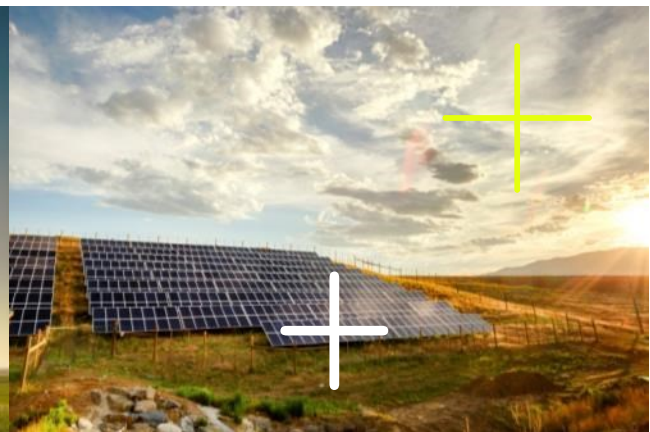




## Bruce County PDC

### Bruce Innovates: Foundational Hydrogen Infrastructure Project Feasibility Study Status Update

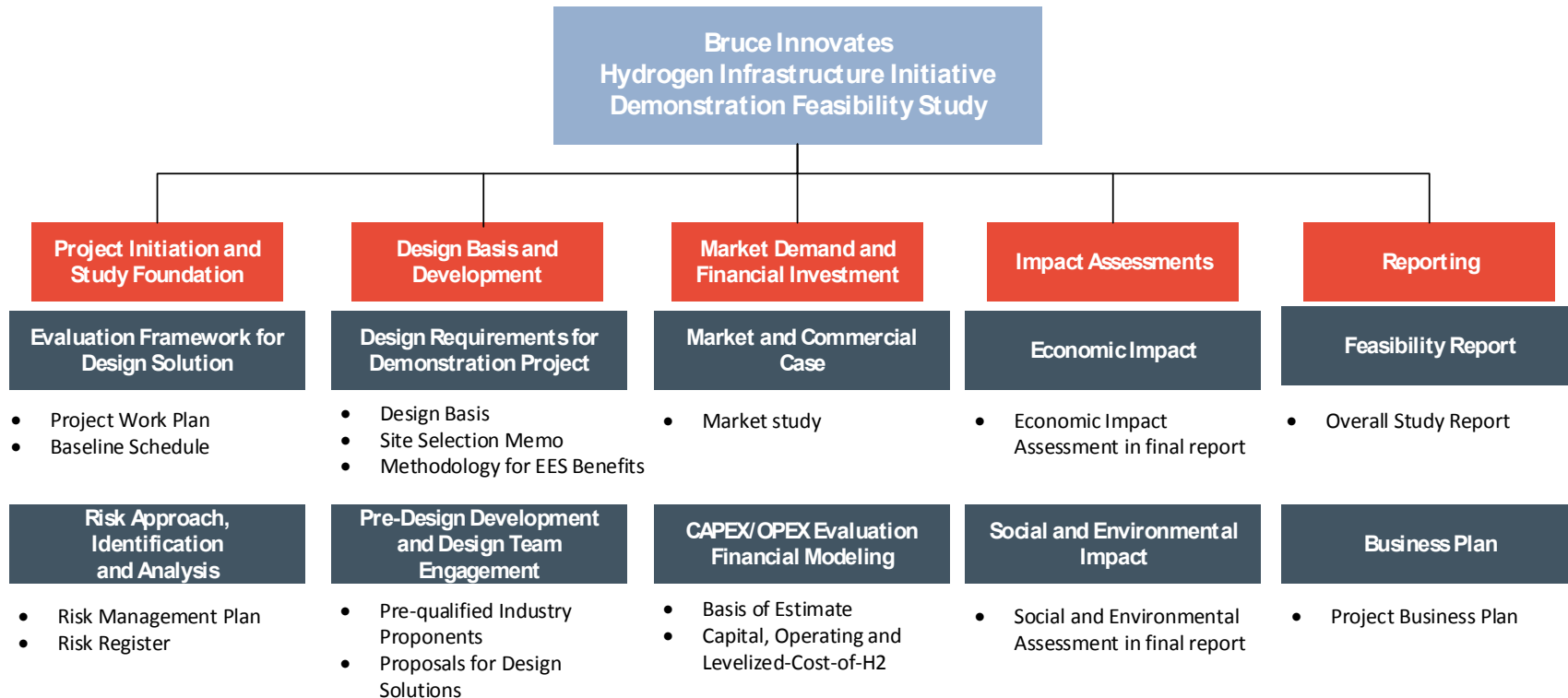


November 19, 2020

# Project Overview

- Hatch was selected as Consultant to support Bruce Innovates in advancing first stages of development for the Foundational Hydrogen Infrastructure Project
- Goals of the project include:
  - Developing a technical and economic feasibility study of a Power-to-Gas demonstration for hydrogen production and energy storage capabilities in Bruce County; and
  - Advancing project planning for initial demonstrations of hydrogen technologies.

# Scope of Work



# Progress Update

## Work Package 1 Project Initiation and Study Foundations

### *Work Package 1.1 Project Initiation and Evaluation Framework for Design Solution*

**Complete**

- Project Execution Plan / Work Plan
- Baseline Schedule

### *Work Package 1.2 Risk Identification and Analysis*

**Risk Workshop complete.  
ongoing risk register development**

- Risk Management Plan and Risk Register (Appendix to Feasibility Study)

## Work Package 2 Design Basis and Development

### *WP.2.1 Technical and Financial Requirements Established for Demonstration Scale*

- Design Basis (Appendix to Feasibility Study) and Scope of Work for Demonstration Project
- Short List of Potential Sites Established (Technical Memo/Minutes of Meeting)
- Methodology for EES Benefits and Evaluation Framework/Matrix

**Initial versions complete**

**In progress**

**Under review**

### *WP.2.2 Pre-Design Development and Design Team Engagement*

- Pre-qualified list of Industry Proponents;
- Proposals for Design Solutions for Demonstration (Provided by Interested Design Teams)

**Engaged with  
industry vendors**

# Project Update cont'd

## Work Package 3 Market Demand and Financial Investment

**In-Progress**

### *Work Package 3.1 Market and Commercial Case*

- Market Demand and Commercial Case, summary in Feasibility Report

### *Work Package 3.2 CAPEX and OPEX*

- Basis of Estimate Memo
- Summary of CAPEX, OPEX and levelized cost of H2 production for Feasibility Report

## Work Package 4 Impact Assessments

### *WP.4.1 Economic Impacts*

- Economic Impact Assessment component of Feasibility Report

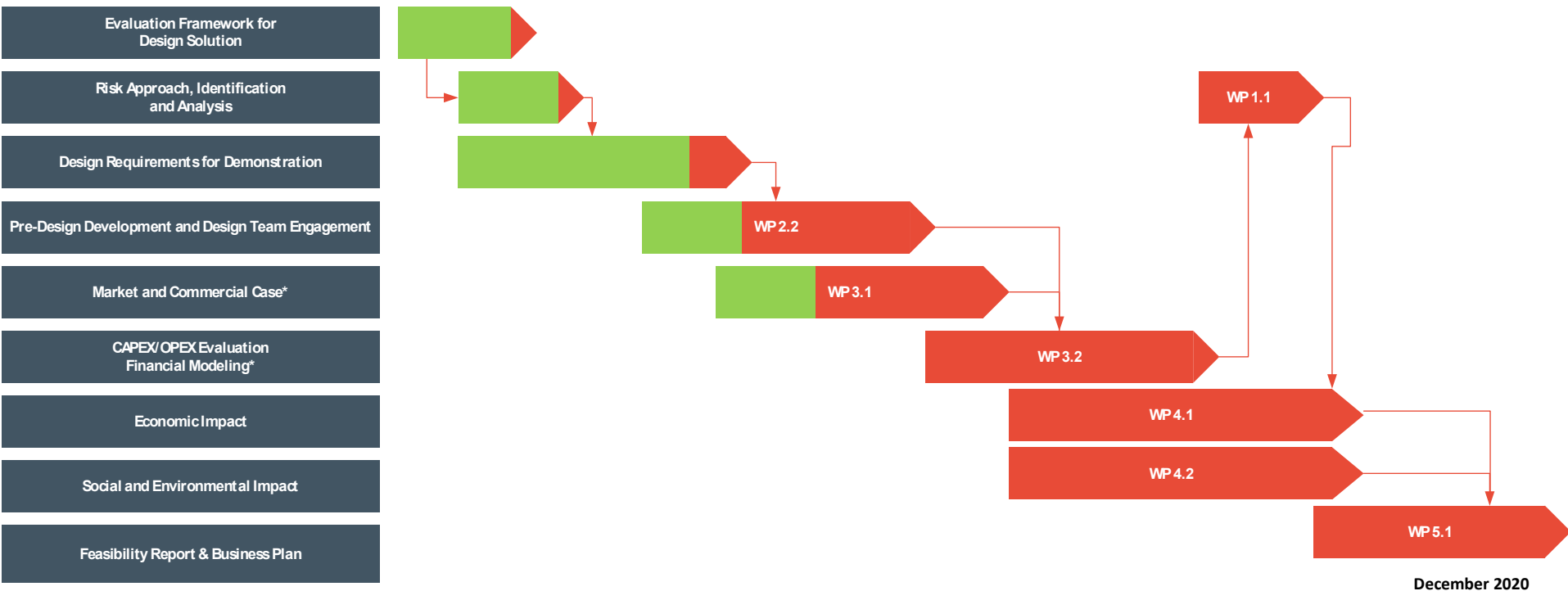
### *WP.4.2 Social and Environmental Impact*

- Environmental and Social Impact Assessment component of Feasibility Report

## Work Package 5 Reporting

- Overall Feasibility Report
- Business Plan Document

# Schedule



# Next Steps

- Finalize WP2 deliverables
- Solicit vendor feedback
- Complete market study
- Begin costing and financial evaluation



