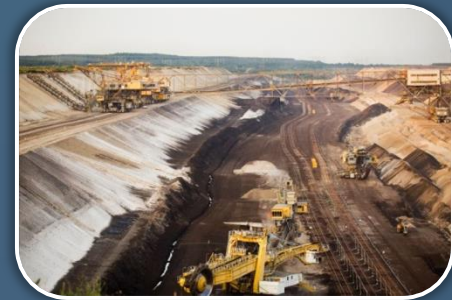


North Island Major Projects

Shannon Baikie
July 25, 2014



NIEFS What Do We Do?



- ✓ We assist unemployed people find work or the skills they need for employment
- ✓ We help employers find the right people with the right skills at the right time

John Hart Generating Station Replacement Project Details & Timeline



THE NEW PROJECT INCLUDES:

- New, underground plant
- 3 x 46 MW vertical Francis units (total 138 MW)
- New water intake and power tunnel (replacing existing woodstave/steel penstocks)
- A new powerhouse with all new equipment
- A bypass mechanism which will allow water to bypass the turbines
- Decommissioning of the existing facility
- Removal of contaminated soils
- Restore penstock corridor back to forest

Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014

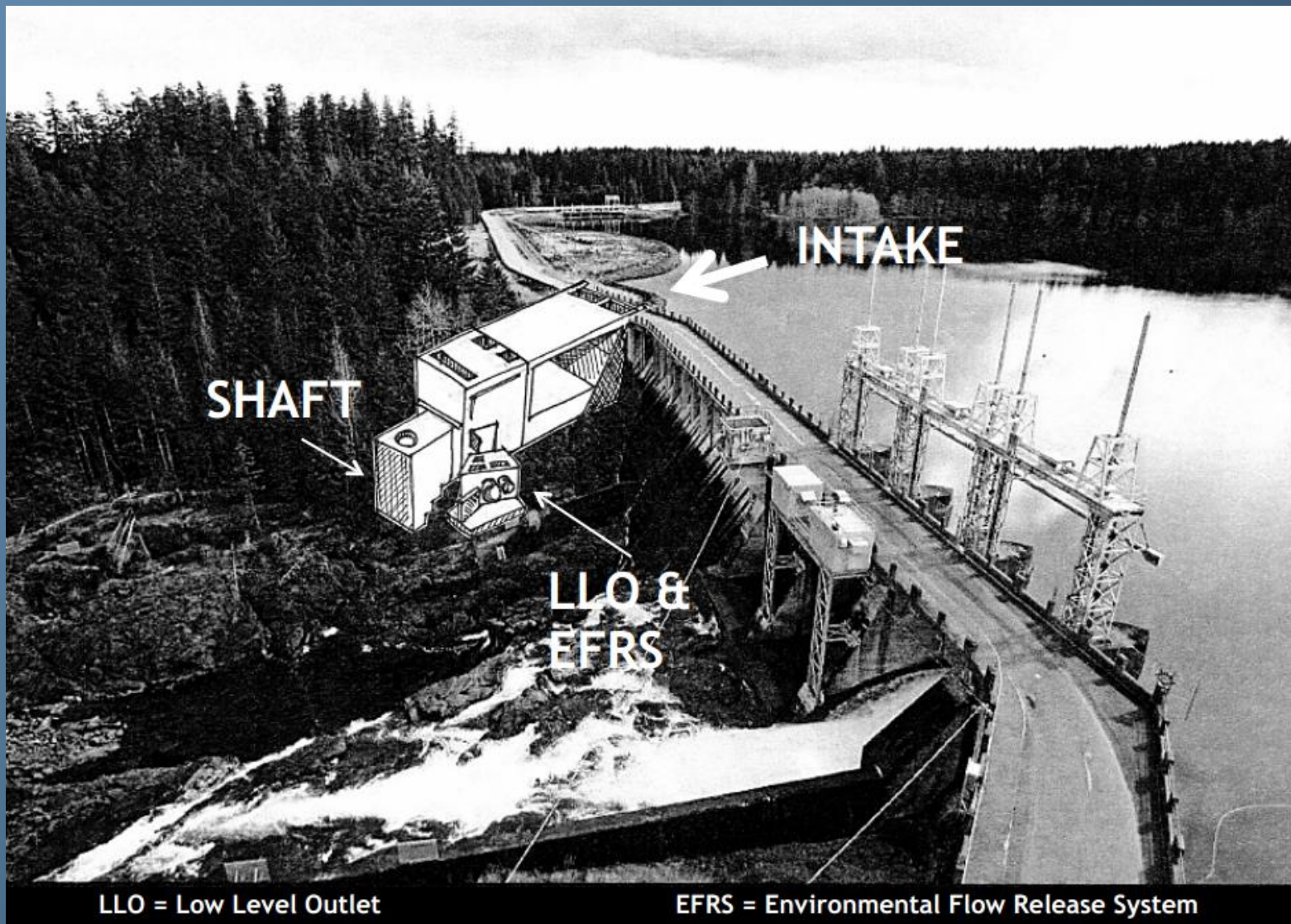


OTHER MILESTONES

- Commercial Operation: October 2018
- InPower BC's project cost is \$720 million
- Jobs: from 200 by the end of 2014, peaking at an estimated 360 in 2016.

Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014





Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014



The Employment Program of British Columbia is funded by the Government of Canada and the Province of British Columbia.

SCHEDULE:

- Mobilization: Spring 2014
- Underground excavation: 2014 – 2017
- Cofferdam & Intake: 2015 – 2017
- Concrete works: 2014 – 2017
- Turbines: 2017
- Generators: 2016 – 2018
- First Power: 2018
- Transmission: 2017 – 2019
- Decommissioning: 2018 – 2019

Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014



Schedule – Civil Works

- Mobilization – Spring 2014
- Station View Trail relocation – Spring 2014
- Portals/On-Site Office Set-up – Summer – Fall 2014
- Underground Excavation – 2014-2017
- Powerhouse – 2014-2017
- Cofferdam & Intake – 2015-2017
- Concrete Work – 2014-2017
- Brewster Lake Road Closed – 2015-2017
- Decommissioning – 2018-2019

Source: BC Hydro & SNC-Lavalin Chamber of Commerce Luncheon Mar 20, 2014



Schedule – Mechanical

- PH Main Crane - 2015
- Turbines - 2017
- Generators – 2016-2018
- First Power - 2018



Source: BC Hydro & SNC-Lavalin Chamber of Commerce Luncheon Mar 20, 2014

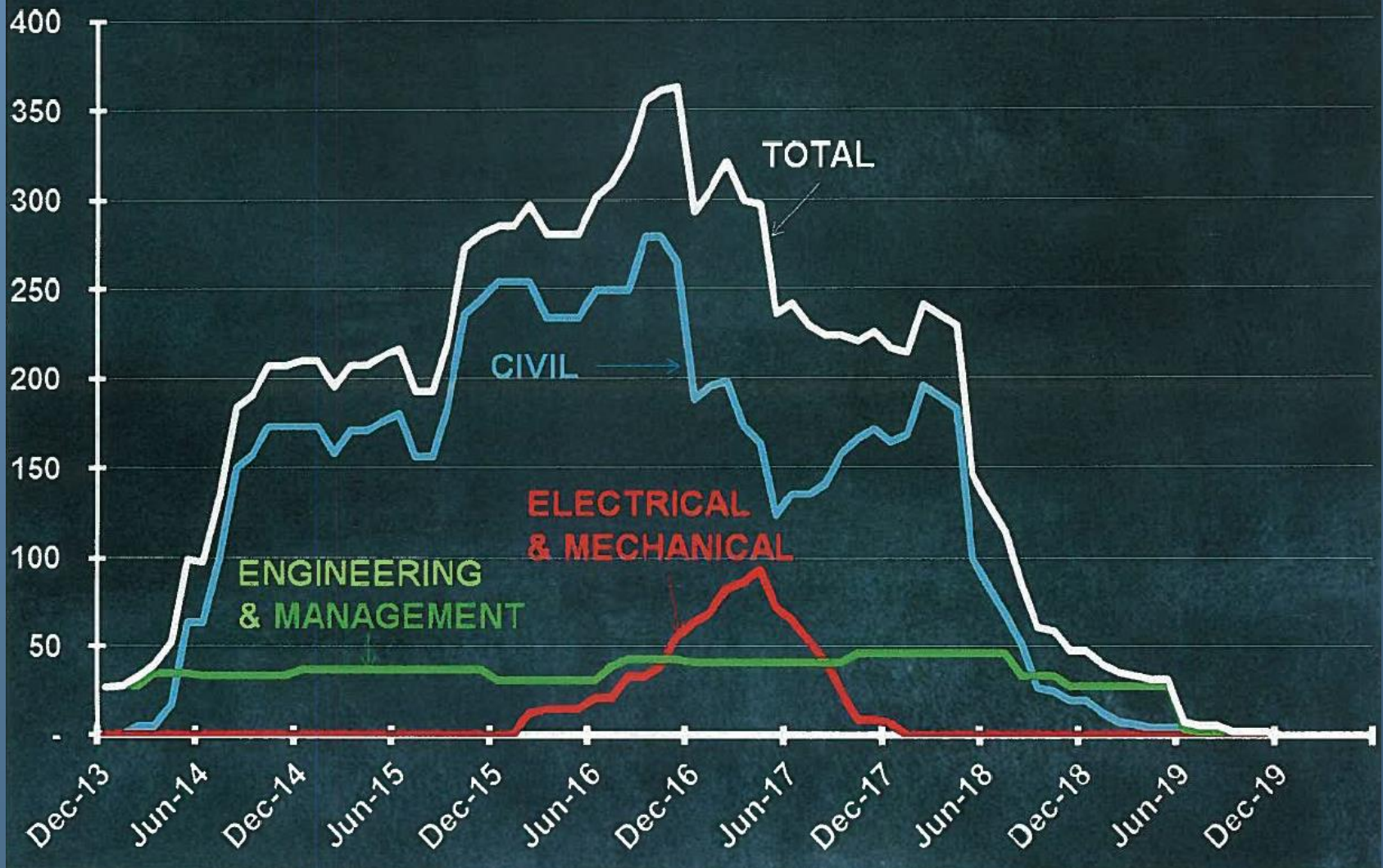
Schedule – Electrical

- Generator Switchgear - 2017
- Transformers – 2017-2018
- Transmission - 2017-2018



Source: BC Hydro & SNC-Lavalin Chamber of Commerce Luncheon Mar 20, 2014

MANPOWER DISTRIBUTION



Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014

Job Opportunities

Inspectors
Workers
Machine Boilermakers
Operators Teamsters
Mechanical Sheet
Metal fitters Officers
Scalers
Pipe Concrete Millwrights
Cement Carpenters Truck
Technicians^{AC} Electricians
Drivers Supervisors
Miners Nozzleman
Safety Masons
Welders
Labourers

Project Team

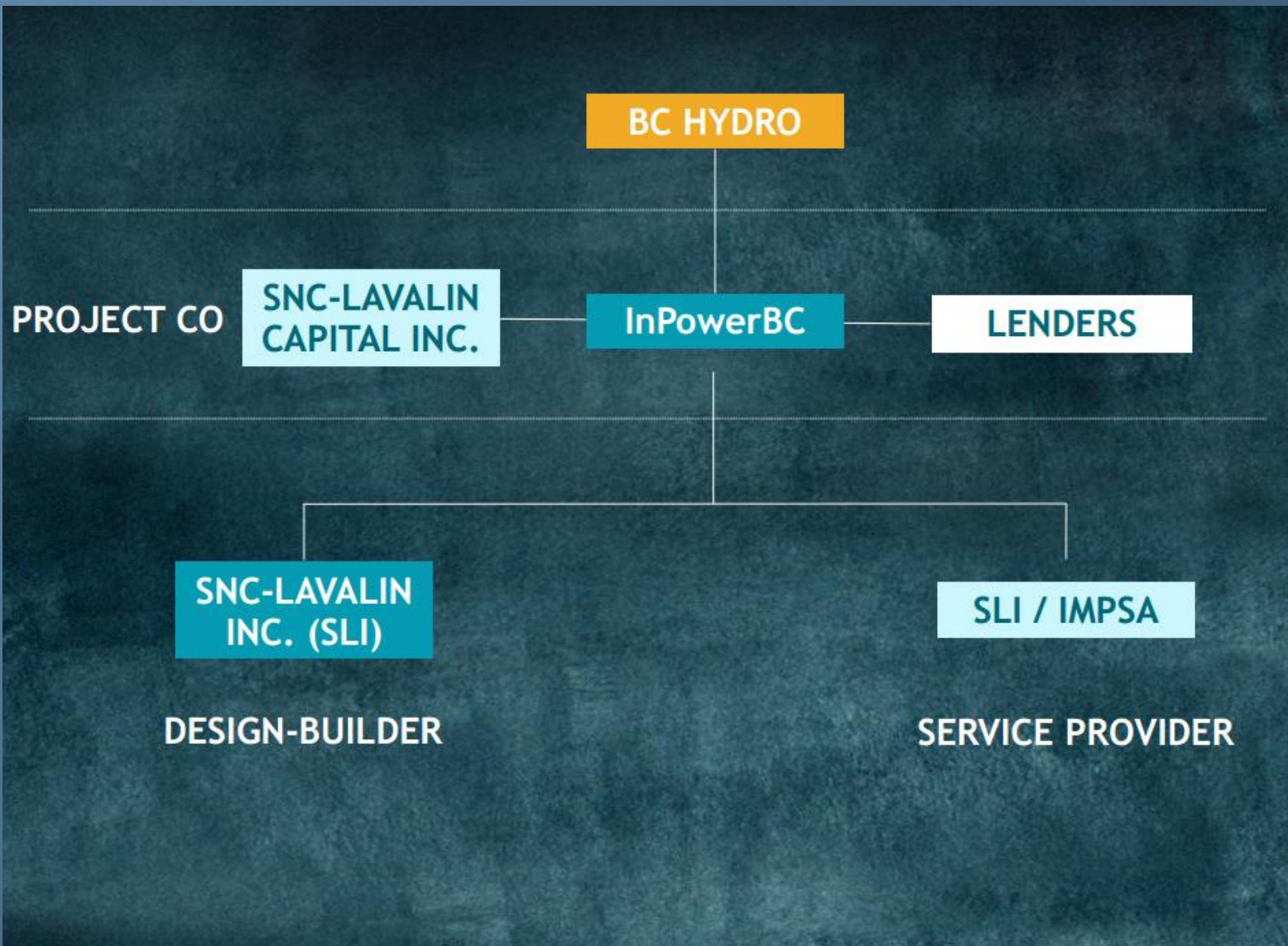




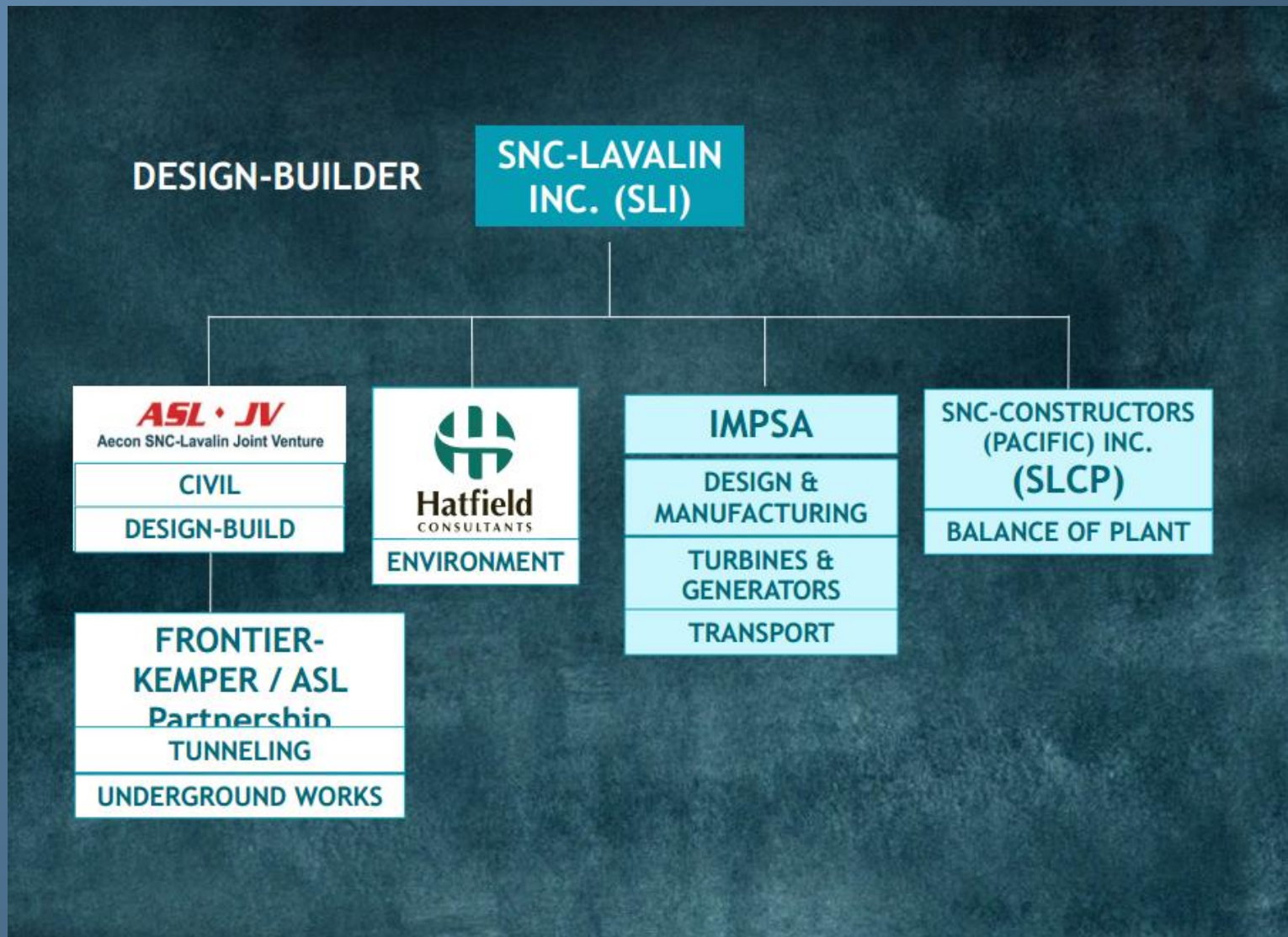
Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014



The Employment Program of British Columbia is funded by the Government of Canada and the Province of British Columbia.



Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014



Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014

SLI and ASL-JV BIDDING PROCESS

- The scope work and subcontractor qualifications are defined and tenders prepared accordingly.
- Tenders are sent to qualified contractors included in a database (which we are enhancing now).
- Typically a minimum of three bids is required.
- Smaller contracts may be directly awarded.
- Contractors that were part of the bid have already been selected.

Source: BC Hydro & SNC-Lavalin Business Opportunity Event Mar 31/April 1 2014



Other Details

- **April – June Permitting/Safety Plans submitted to BC Hydro for approval**
- **July – BC Hydro approval of permits signed off with project team accessing site to begin setting up offices, portals and surrounding areas**
- **Aiming for an October 7th start date for tunneling operations which will last for 18 months – Frontier Kemper**
- **There will be NO camp and this is not a camp situation. Planning on a 5 day M-F week with double shifts (10 hr shifts) and Saturdays reserved for catch-up as needed**
- **First 18 months resembles a mining operation**

Project Labour Agreement

- **Final Project Labour Agreement details finalized with more information to come in the BC Hydro John Hart Construction report expected to be released on July 31st.**
- **Project is a Union environment (workers and sub contractors).**
- **Aiming to hire as many QUALIFIED local workers and sub-contractors as possible (90km radius)**

Project Labour Agreement

Hiring Process

- A union agreement has been concluded to simplify the hiring process, offer competitive and fair wages across the board, provide local workers with first opportunities and provide fair access to work.
- During these preliminary stages there is limited worker requirements on the site – but as construction ramps up that is expected to change.
- Hiring will be handled by the design/build contractor ASL-JV, and all skilled trades will be hired through representative unions. Different trades will be needed at different periods of construction.
- **Tradespeople should contact their union about upcoming opportunities.**

North Island Hospitals Project

Project Details & Timeline



Project Team



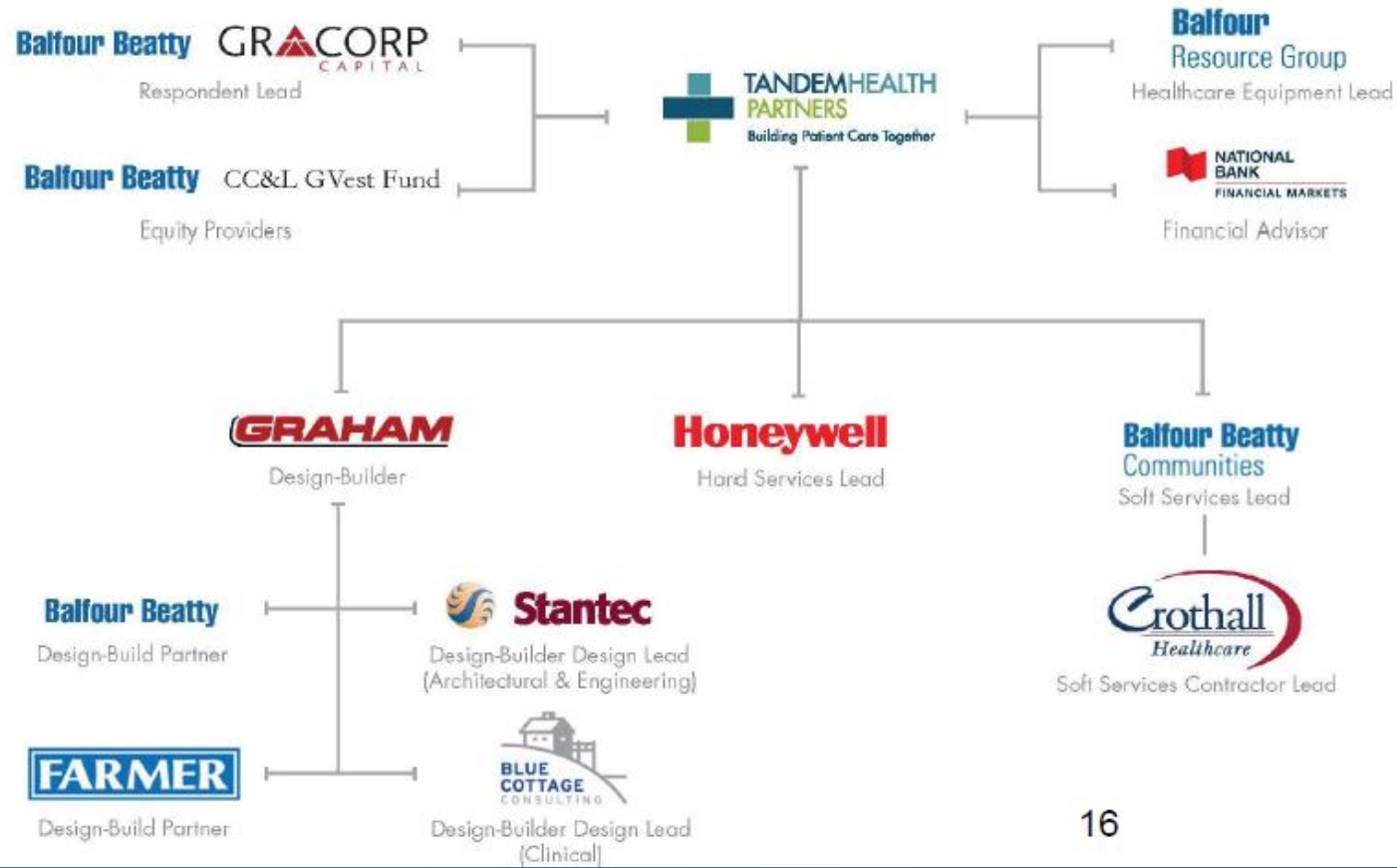
Tandem Health – Awarded Proponent

The Tandem Health consortium includes the following companies who were part of the bid:

- Balfour Beatty Capital – Canada Ltd.
- Gracorp Capital Advisors Ltd.
- Connor Clark & Lunn GWest Traditional Infrastructure LP
- Graham Design Builders LP
- Farmer Construction Ltd.
- Stantec Inc.
- Honeywell International Inc.



Who is Tandem?

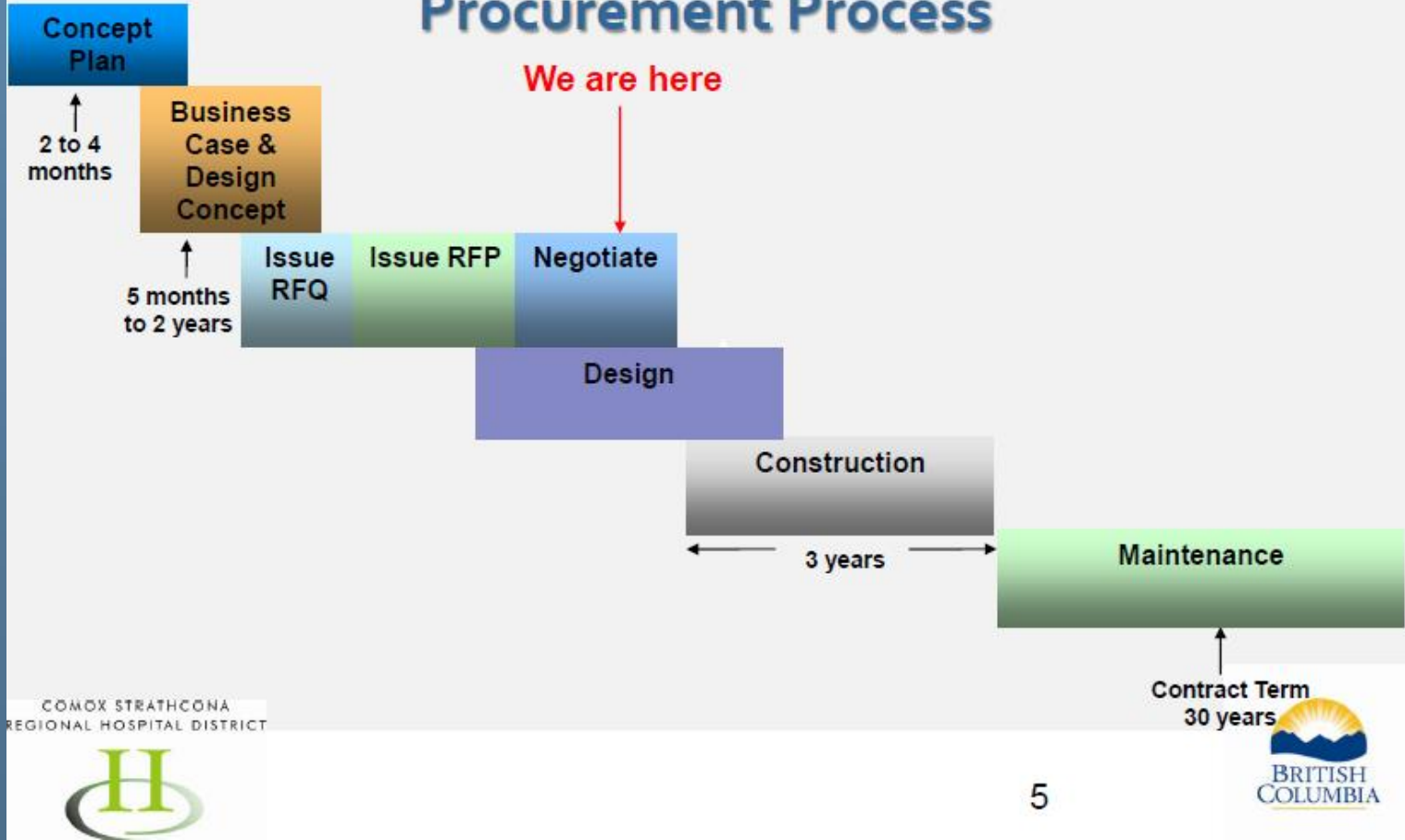


Source: North Island Hospitals Community Presentation May 29, 2014

Project Timelines

- **Financial close and agreement completed with Tandem Health in June with construction started July 2014.**
- **Completion expected late 2017.**
- **The North Island Hospitals project is one project that includes both the Campbell River and Comox Valley hospitals.**
- **The Provincial government estimates about 1900 direct jobs and 1400 indirect jobs will be created over the life of the project.**

Procurement Process



Source: North Island Hospitals Community Presentation May 29, 2014

Jobs Expected

Tradespeople including journeymen, apprentices and helpers for:

- Carpentry
- Electricians
- Plumbers
- Metal Sheet Workers
- Heavy Equipment Operators
- Laborers
- Painters
- Drywallers
- Carpet Layers
- Mason workers
- Pipefitters
- Concrete workers
- Shippers

Jobs Expected

Certified technicians and technologists for systems such as:

- **Communications**
- **Building Operators**
- **HVAC Balancers**
- **Equipment and Building System Specialists**
- **Locksmiths**



Jobs Expected

Professionals:

- Mechanical Engineers
- Electrical Engineers
- Building Architects
- Landscape Architects
- Civil Engineers
- Structural Engineers
- Quantity Surveyors
- Project Managers
- Purchasing Agents

Important Resources

All Updates

North Island Employment – <http://www.niefs.net> & Google Map
Major Projects Portal - <http://cr.majorprojects.ca/>

John Hart Project

SNC-Lavalin - <https://rbcv.snclavalin.com/Public/search.aspx>

AECON - http://www.aecon.com/Careers/View_Jobs

Frontier-Kemper - <http://www.frontier-kemper.com/jobopenings.html>

General Applications – JohnHartProject@snclavalin.com

Fax – 604-331-4644

North Island Hospitals Project

VIHA Website for Project - <http://nihp.viha.ca/>

Graham Construction - <http://jobs.graham.ca/ca/british-columbia-jobs>



Any Questions?

