



## Climate Changes

Canada's construction sector is facing significant challenges in the coming years regarding its commitments to climate change due to a gap in ability, capacity and adaptability of the industry to respond to the emerging – and pressing – needs of climate change. The construction sector needs a skills development strategy that ensures its workforce can successfully deliver low-carbon infrastructure projects. Enter **Building It Green**.



## Finding The Way Forward

Funded by The Government of Canada's Union Training and Innovation Program (UTIP), the **Building It Green** project aims to collect and analyze the global industry's best practices that will improve skilled trades workers' education and understanding of their role in constructing and maintaining net-zero projects and to help Canada meet its climate goals.

### Phase 1

Environmental Scan & Literature Review



Reviewed 36 materials and programs



Interviewed Subject Matter Experts in Canada, USA, and Europe



Facilitated discussions with the Advisory Committee

### Phase 2

Needs Analysis



Ongoing interviews with Supergreens\*



Ongoing virtual Focus Groups with various trades



Ongoing development of curriculum framework

\*Supergreens are individuals who serve as exemplars in climate literacy: knowledgeable, committed, and practicing green building and zero carbon emissions.

### Phase 3

Curriculum Development



Climate literacy modules for apprentice & journey workers



Generic climate awareness module & Jobsite literacy orientation



Train the trainers

### Phase 4

Training and Evaluation



Pilot run orientation, implementation and evaluation

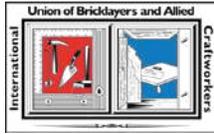


Program roll out and refinement



Digital repository

## Our Advisory Committee



**Krista Kelly-Cox**  
BAC Education & Training Fund



**John Stahl**  
Heat & Frost Insulators & Allied Workers  
(IAHFIAW)



**Walter MacDonald**  
International Painters and Trades Union  
(IUPAT DC39)



**Lorna Harnum**  
International Union of Operating  
Engineers (IUOE)



**Jud Martell**  
Sheet Metal, Air, Rail and Transportation  
Workers (SMART)



**Jeffrey Norris**  
Iron Workers International



**John Mandarino**  
LIUNA Canadian Tri-Fund



**Chris Swick**  
NetCo (Nat'l Electrical Council)



**Ronald Adamson**  
Operative Plasterers and Cement Masons  
Local 919



**Mike Gordon**  
United Association Canada

## Our Partners



### The Climate and Industry Research Team (CIRT)

The team is composed of a small group of academic researchers with expertise in climate science, labour relations, apprenticeship, trades training and a variety of low carbon construction issues. The team – which include academics from Europe, the United States, English Canada and Quebec- have a lengthy track record in researching the issues the project will be addressing, as well as bringing to the project an extensive network of academic, government, employer and labour contacts on which to build the research program.



### SkillPlan

SkillPlan was formed in 1991 to address skills challenges in the construction industry. SkillPlan has been considered one of the leaders in Canada for pinpointing foundational skills' problems and designing curriculum and training programs to address these challenges. SkillPlan serves 14 international building trades and their affiliated contractors and works with over 1,500 apprentices yearly to ensure they succeed in their Red Seal programs.



### Social Research And Demonstration Corporation Canada (SRDC)

SRDC has been involved in over 25 projects touching upon every aspect of the design, delivery and evaluation of literacy and essential skills programs and adult learning initiatives more broadly. These have included large-scale pan-Canadian demonstration projects with designs of similar scale and scope such as the groundbreaking UPSKILL study. SRDC's experience includes sector-specific projects, skill-specific projects, evaluations of skills testing and training programs, consultations with and surveys of literacy and essential skills workers, and the development of analytical frameworks.

# Collaborate With Us

If you're interested in being a champion in making Canada a greener place - we want to hear from you! For more information on how to participate in various stages of the project as outlined above, please email us at [pque@buildingtrades.ca](mailto:pque@buildingtrades.ca).