

## PETER CORBYN, P.ENG.

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2005-2006 Certificate in Adult Education, UNB Fredericton  
1981-1987 B.Sc.E. Mechanical Engineering, UNB Fredericton  
1978-1981 Sir James Dunn Academy, Saint Andrews, NB



## COMPETENCIES

### INNOVATION AND PROCESS IMPROVEMENT

- 2022 Obtained funding from ACOA, RDC and CHTC for the New Brunswick Non-Profit Housing Association to complete a province-wide rural housing asset and data map.
- 2020-2021 Created a Request for Expression of Interest and community engagement process resulting in building 12 garden homes for seniors in Nackawic, NB.
- 2009-2011 Developed an Environment and Energy Value Stream Mapping process (EnVSM) for manufacturing facilities, clients included Royal Canadian Mint and several food processing facilities.
- 2008-2010 Created award winning sustainability focused software-as-a-service first implemented by the CBC and Cisco Systems [One Million Act of Green](#) campaign.
- 1999-2000 Author, Guide to Implementing an Energy Reduction Management System Based on ISO 14001. The Natural Resources Canada funded project helped 60 manufacturing companies save energy.
- 1991-1992 Initiated and managed the first Employee Energy Awareness program in Ontario in partnership with Ontario Hydro. The program resulted in annual savings of \$150,000 – 15% of \$1,000,000 within minimal capital. [Magazine ad 1992](#).

### CONSTRUCTION AND DEVELOPMENT

- 2022 Designed and assisted obtaining Manufactured Homes CSA Z240 Standard for 430 square feet and 700 square feet manufactured homes.
- 2022 Willow Court, Blacks Harbour: 12-unit repurpose of an office building. Scope includes supervising preliminary design, upcoming funding submissions. Anticipated occupancy 2023.
- 2021-2022 Britehill, Bath: 20-unit repurpose of a 33,000 SF hospital. Scope includes obtaining FCM Planning Grant, community engagement, business plan and creating project [website](#).
- 2021-2022 Milltown Blvd, St. Stephen: 12-unit conversion from a community hall. Scope includes design, obtaining permits, engineering, contracting engineers. Occupancy January 2023.

2021-2022	King Street, St. Stephen: 14-unit conversion from a 1970's motel. Scope included design, obtaining rezoning and variances, subcontracting professional services. Occupancy April 2022.
2020-2021	Nicholas Lane, Nackawic: 12-unit garden homes new build. Scope included design, obtaining rezoning, NB Power energy efficiency funding, building permits, project management, and community engagement. Occupancy Fall 2021.
1987-1988	Armstrong Residence, Mascarene: 5,000 SF single family dwelling. Scope included design, project management. Occupancy January 1988.

### EDUCATION AND COLLABORATION

2009-2011	Developed and managed energy efficiency program for Automotive Parts Manufacturers' Association, scope included co-author of guidebook, training, and energy management software.
2008-2009	Co-author of <a href="#">Cool Comforts, Bargaining for our Survival</a> and <a href="#">Cool Comforts II, Using Our Capital to Save Our Planet</a> . Self-published by NBU, the first book sold 15,000 copies, the second sold 3,000.
2008	Founding Board Member, The Climate Reality Project Canada non-profit organization ( <a href="http://www.climatereality.ca">www.climatereality.ca</a> ).
2007-2008	Trained by Al Gore to present a live version of 'An Inconvenient Truth', completed 65 presentations between January 2007 and May 2008 for over 12,000 people.
2005-2007	Developed and instructed Operations Training Program for municipal water and wastewater operators, focus on mechanical systems and math skills.
2005	Developed and instructed Quality Assurance and Construction Site Supervision Course for Electricians Union IBEW Local 502.
1999-2000	Co-author of Guide to Implementing an Energy Reduction Management System Based on ISO 14001, funded by Natural Resources Canada.
1998-2000	Developed ISO 14001 Assistance Program for industry, including; <ul style="list-style-type: none"> <li>• Technical Editor for CSA document Guide to ISO 14001 Implementation in the Automotive Parts Manufacturing Sector. Trained more than 400 individuals from 60 companies on ISO 14001.</li> <li>• Recruited, interviewed, trained, and placed 25 environmental engineering co-op students with APMA members such as Magna, Dana, and ABC Plastics.</li> </ul>

### PROPOSALS AND BUSINESS DEVELOPMENT

1999-2022	Wrote proposals and received funding from the following organizations: Federation of Canadian Municipalities, NB Power, Community Housing Transformation Centre (CHTC), ACOA, GNB Environmental Trust Fund (ETF), GNB Regional Development Corporation (RDC), Natural Resources Canada, Environment Canada, Enbridge Gas, Union Gas.
2008-2016	Completed proposals and awarded contracts with RBC, TD, CN, Bacardi, NBA, NBC, Tennessee Valley Authority, Kimberly-Clark, University of Phoenix, American University, University of Colorado at Boulder, Universidad de Monterrey, CBC, Cisco Systems.

## WORK EXPERIENCE

### INDEPENDENT CONSULTANT

Fredericton, NB

- 2016-2021
  - Developed and managed a New Brunswick Smart Communities project to assist municipalities implement smart technologies including hosting a conference attended by 125 people.
  - Business and product development consulting for several NB-based smart grid companies.
  - Independent consultant focused on developing affordable housing in New Brunswick.
- 2021-2022
  - Contracted by New Brunswick Non-Profit Housing Association for grant writing and project development - see above for list of projects completed and in progress.

### CHIEF OF GREEN AND CO-FOUNDER

GreenNexus, Fredericton, NB

- 2007-2016
  - GreenNexus developed sustainability focused Software-as-a-Service, including:
  - Team designed and developed One Million Acts of Green carbon calculator and social networking features for CBC and Cisco Systems 2008-2009 television season.
  - Team developed GreenNexus Employee Sustainability Platform for corporate clients such as RBC, CN, Bacardi, Tennessee Valley Authority, Kimberly-Clark, and City of Atlanta.

### INSTRUCTOR

NBCC Saint John, NB

- 2003-2007
  - Instructor - Industrial Control Technology Program: Topics include Math, Statistics, Communications and AutoCAD, as well as developing contract training courses mentioned above.

### INDEPENDENT CONSULTANT

Fredericton, NB

- 2000-2003
  - Initiated and managed a research project co-sponsored through public and private funding, engaging 3 government departments, 2 companies, NBCC Moncton and UNB.
  - Completed a business development and feasibility study for New Brunswick Department of Investment and Exports.

### DIRECTOR, ENVIRONMENT

Automotive Parts Manufacturers' Association, Toronto, ON

- 1996-2000
  - Managed partnership between industry, federal and provincial governments regarding energy and environmental issues.
  - Responsible for promoting, assisting, and reporting on industry-wide pollution prevention (P2) and energy efficiency activities, in partnership with Environment Canada and Ontario Ministry of Environment (MOE).
  - Reported 45 P2 and energy efficiency case studies between 1996 and 2000, totaling over 1.1 million kg of eliminated hazardous waste (\$3.2 million combined reported savings); media included air emissions, resource conservation and wastewater.
  - Developed, organized, and presented at over 20 energy and environmental related workshops, as well as managed the 2000 APMA Annual Conference and Trade Show, 800 attendees.
  - Member, National Industry Issue Table for Climate Change (1999-2000); completed a \$360,000 study regarding the impacts of climate change on the Canadian automotive industry.

**VARIOUS POSITIONS****The Woodbridge Group, Mississauga, ON**

- 1995-1996 **Corporate Health, Safety and Environment Manager**
- Provided corporate HS&E support to 10 plants in Canada, United States, Brazil, and Mexico.
  - Completed a dozen HS&E audits; developed corporate HS&E policies and procedures.
- 1992-1995 **Engineering Manager**
- Supervised 10 skilled trades, maintenance supervisor, environmental engineer, and clerk.
  - Facility, engineering, and maintenance responsibility for a 385,000 sq. ft manufacturing plant.
  - Managed approximately \$5 million annual operations and capital budget.
- 1993-1994 **Manufacturing Services Manager**
- Quality Assurance Manager, 75% of time, including customer visits and quality audits.
  - 25% of time completing Plant Engineering duties as above.
  - Supervised 20 maintenance and quality assurance staff.
  - Launched F-Car (Camaro and Firebird) and Honda Civic seating programs.
- 1991-1992 **Engineering Supervisor**
- Initiated energy efficiency program summarized above.
- 1990-1991 **Production Supervisor**
- Responsible for supervision of two shifts, 40 people in total, manufacturing approximately 70,000 headrests and armrests per week for Chrysler, GM, Ford, and Honda.
- 1990 **Process Engineer**
- Responsible for the process and quality control of the above headrest and armrest line, including raw material variance and statistical process control (SPC).
- 1988-1990 **Project Engineer**
- Completed numerous projects, including HVAC upgrades, moving production lines, machine design and developing a computer-based Preventative Maintenance Program.

**PROJECT MANAGER****Armstrong Construction Ltd., NB**

- 1987-1988
- Designed and managed construction of salmon cages and hatchery for the aquaculture industry as well as a 5,000 square foot home.

**OTHER**

- 2000-Present Member: Association of Professional Engineers and Geoscientists New Brunswick.
- 1992-2000 Member: Association of Professional Engineers of Ontario.
- 2011 Award: KIRA for Innovation and Technology Advancement (GreenNexus).
- 2009 Award: KIRA for most promising start-up (GreenNexus).
- 2008 Award: Premier's Merit Award for Outstanding Contribution to Province of New Brunswick.
- 2007 Award: Canadian Clean Air Day Award for Excellence in Energy Efficiency Outreach.
- 2007-2011 Contributed monthly ~ 600-word articles regarding sustainability in the Fredericton Gleaner.
- 1993-Present Delivered more than 150 presentations at conferences across North America regarding sustainability, energy efficiency, and housing.

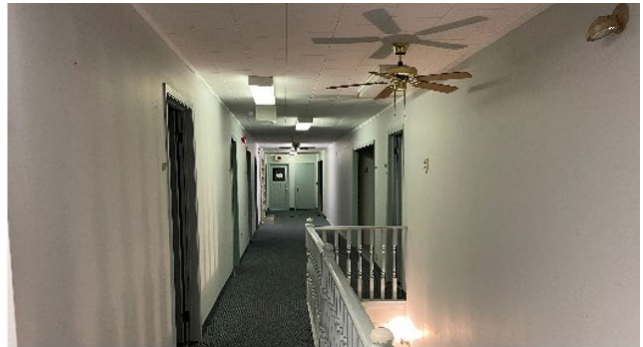
## HOUSING PROJECT IMAGES

Additional project images are available at [www.petercorbyn.ca](http://www.petercorbyn.ca).

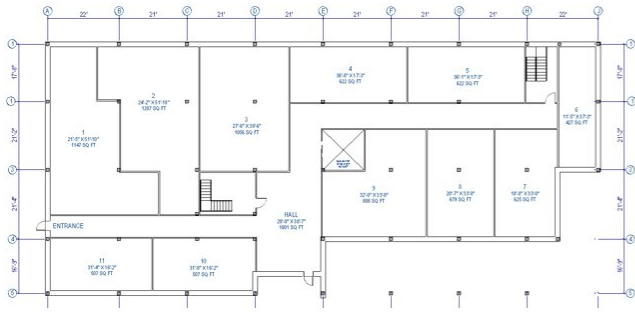
Manufactured homes: FS430 and FS700



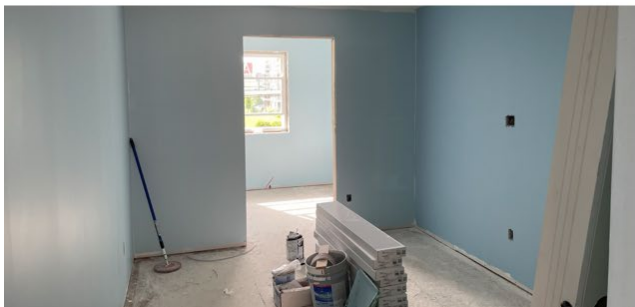
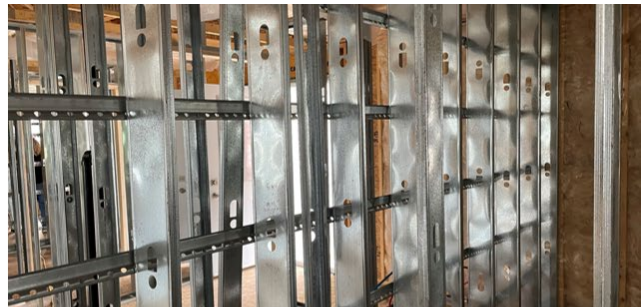
Willow Court, Blacks Harbour, 2022



Britehill, Bath, 2021-2022



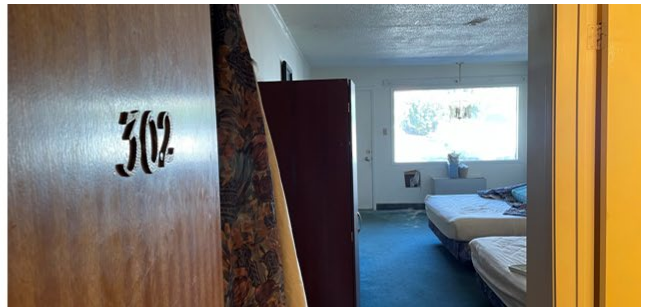
Rising Tide, Moncton, 2021-2022



Milltown Blvd, St. Stephen, 2022



King Street, St. Stephen, 2021-2022



Nicholas Lane, Nackawic, 2020-2021





Armstrong Residence, 1988

