

## Frank Dumeier, PhD

Chief Executive Officer, WEB Windenergie AG

### Education & Certifications

- 1995 – 1998**     **Dr.-Ing. Fakultat Maschinenwesen (Doctoral Degree)**  
University Dresden  
Magna cum laude
- 1983 – 1988**     **Dipl.- Ing. (University) Mechanical Engineering (Bachelors Degree)**  
University Kassel

### Professional Experience

- 2016 – Present**     **WEB Windenergie AG**  
**Chief Executive Officer**
- 2010 – 2016**     **WEB Windenergie AG**  
**Chief Operating Officer**
- 2006 – 2010**     **DaimlerChrysler AG**  
**Senior Manager Business Development Axles**
  - Worldwide responsibility for all business development activities for HD/MD axles
- 2004 – 2006**     **Axle Alliance Company**  
**Chief Operating Officer & Vice President**
  - Responsible for up to 4 NAFTA axle locations including the customer service organization
- 2001 – 2004**     **Axle Alliance Company**  
**Vice President Program Management and Manufacturing**
  - Managing medium duty axle platform and implementation NAFTA manufacturing and logistics network
- 2001**     **DaimlerChrysler AG (Kassel, Detroit, Monterrey )**  
**Senior Program Manager for Dodge RAM axles**
  - Implemented new business unit
  - Responsible for development and manufacturing of axles for Dodge Ram Pick Up (Class 3 - 5)
- 1999 – 2001**     **University Kassel**  
**Manager – Business Development NAFTA**
  - Preparation of NAFTA market entrance for vehicle axle systems

- 1997 – 1999**      **University Kassel**  
**Manager Business Unit Trailer axles**
- Implemented a new business unit: development, manufacturing and sales of trailer axles
- 1994 – 1997**      **University Kassel**  
**Manager Mechanical engineering**
- Mechanical engineering for truck front axles and Unimog axles
- 1992 – 1994**      **University Kassel**  
**Manager Program management**
- Ramp up management for all product lines budget controlling
- 1986 – 1988**      **University Kassel**  
**Research Assistant**
- Development of simulation software for material flow
- 1985 – 1986**      **DaimlerChrysler**
- Internship mechanical engineering

### **Additional Training & Skills**

- 1978 – 1981**      Toolmaker degree – Volkswagenwerk AG
- Languages – German (native), and English (fluent)
  - Experience in project and equipment negotiations and sales
  - Project management
  - Thorough understanding of the technical requirements and capabilities of renewable energy projects



## Stuart Lawrie, P Eng

Chief Executive Officer

### Education & Certifications

- 1988 – 1989**     **Master of Business Administration**  
Wilfrid Laurier University
- 1982 – 1987**     **Bachelor of Applied Science (Mechanical Engineering)**  
University of Waterloo

### Professional Experience

- 2014 – Present**     **SWEB Development Inc.**  
**President and Chief Executive Officer**
- Reporting to Board of parent company in Austria.
  - Responsible for development, financing, construction and operations of wind farms in North America.
- 2012 – 2014**     **Vestas Canadian Wind Technology**  
**Director / Sales Leader, Canada**
- Reported to President, NA, responsible for all unit and service sales in Canada.
  - Lead opportunity development with stakeholders including; project owners, utilities, provincial and municipal governments, financing parties and First Nations.
  - With stakeholders, developed strategy by Province to secure predictable future procurements of renewable energy.
- 2010 – 2012**     **Vestas Canadian Wind Technology**  
**Key Account Manager**
- Responsible for sales, service and operations of large global customer's North America unit.
  - Recognized, based on annual customer feedback survey as highest performing KAM team (2012).
  - Represented Vestas during customer's \$2 billion "buy down" process, largest North American transaction in 2012.
- 2006 – 2010**     **Vestas Canadian Wind Technology**  
**Senior Business Development Manager**
- Developed strong relationships with project developers while supporting bids into 6 provincial RFPs, resulting in 12 wind turbine contracts.
  - Integral in supporting design of Domestic Content structure for Ontario renewable energy procurement process (2008-10).



**2005**

**Integran Technologies Inc.**

**Vice President, Business Development**

- Representing venture capital owner, tasked with establishing process for prioritizing opportunities and formulating plans for commercialization of this nanotechnology company.

**2002 – 2004**

**Fast Heat Inc.**

**Vice President, Sales/Marketing**

- Responsible for sales of heating element manufacturer with facilities in US, Europe and Asia.
- Re-organized into three product groups then rationalized offering within each group.
- Established sales teams along product lines and implemented margin based selling approach.

**2000 – 2001**

**Husky Injection Molding Systems**

**Director, Service & Sales, North America**

- Formulated global strategic business planning process then implemented with US General Managers.
- Lead cost reduction initiative in US territory during market downturn, resulted in significant structural changes to service and sales unit.

**2000 – 2001**

**Husky Injection Molding Systems**

**General Manager, Service & Sales, Australia/SE Asia, Sydney/Singapore**

- Established service & sales teams in new region including justification for technical / manufacturing centre in Sydney.
- Sold equipment for largest bottling project in Australia with Coca-Cola Amatil to self-manufacture all PET bottles, largest contract outside North America in 1998.
- Sold equipment and facility design for start-up Fiji Water, largest water contract (1999) and first entire bottle facility project.

**2000 – 2001**

**Husky Injection Molding Systems**

**Area Sales Manager, Service & Sales, NA, Los Angeles, USA**

- Learned importance of customer relationships while developing California / Baja-Mexico region.
- Awarded Top Sales (1995)

### **Additional Training & Skills**

- Project management and financing
- Experience in project and equipment negotiations and sales
- Partnership development

## Reinhard Kainz

Chief Financial Officer, WEB Wind Energy North America

### Education & Certifications

- |                    |  |
|--------------------|--|
| <b>2008 – 2011</b> | <b>Bachelor of Arts in Business</b><br>IMC Fachhochschule Krems                    |
| <b>2006 – 2007</b> | <b>Certified Advanced Controller</b><br>ÖCI (Österreichisches Controller Institut) |
| <b>1998 – 1999</b> | <b>Certified Management Accountant</b><br>Wifi Mödling                             |

### Professional Experience

- |                       |  |
|-----------------------|--|
| <b>2014 – Present</b> | <b>WEB Wind Energy North America</b><br>Chief Financial Officer                            |
| <b>2010 – 2012</b>    | <b>WEB Italia Energie Rinnovabili s.r.l</b><br>Chief Financial Officer                     |
| <b>2009 – Present</b> | <b>WEB Windenergie AG</b><br>Head of Controlling   |
| <b>2009</b>           | <b>Pollmann Austria GmbH</b><br>Controller   |
| <b>2002 – 2008</b>    | <b>Ergee Textilgruppe GmbH</b><br>Controller   |
| <b>1994 – 2002</b>    | <b>Raiffeisen Lagerhaus Gmünd-Vitis</b><br>Controlling Department<br>Accounting Department |

### Additional Training & Skills

- Languages – German (native), and English (fluent)
- Advanced proficiency in quantitative analytics
- Strong project risk and project finance analysis
- Experience in global project negotiations



## Daniel Roscoe, P Eng

Chief Operating Officer

### Education & Certifications

**1999 – 2004**     **Bachelor of Applied Science in Civil Engineering (Structural)**  
University of Waterloo, Waterloo, Ontario

### Professional Experience

**2011 – Present**     **SWEB Development Inc.**

**Chief Operating Officer**

- Technical Lead for all North American development and operating wind and solar assets
- Lead on construction and operations and project execution
- Advocate for energy and environmental policy in Nova Scotia and Canada

Key Projects:

- COMFIT Program – 40MW in operation selling to Nova Scotia Power
- Pisgah Mountain – 9MW in operation selling to Emera Maine

**2008 – 2015**     **Scotian WindFields Inc.**

**Chief Operating Officer**

- Head of operations for community based renewable energy developer
- In charge of new project development, and project execution
- Advocate for energy and environmental policy in Nova Scotia and Canada

Key Projects:

- COMFIT Program – *Community owned Wind Energy Projects connected to local distribution grids*
  - Executed strategy which secured the most COMFIT awards (37.3MW as of Sept 2013)
  - Direct responsibility for development and construction of over \$100 Million of wind generation assets in Nova Scotia over 2013-2015
  - Creation of 20-year project financial proformas for equity and debt financing
  - Implementation of budget forecasting and liquidity planning models on a month basis
  - Lead contact with key stakeholders, such as provincial departments (Energy, Environment, Finance), municipalities, turbine manufacturers, engineers, consultants, lenders, contractors, public
  - Deeply involved with contract negotiation and administration with interaction with internal and external legal representation
  - Creation and implementation of community engagement strategy to achieve social license and local acceptance
  - Creator of “Community Dividend” concept which is now industry best practice in Nova Scotia



- *Solar City – Pilot Project Municipal financing of solar thermal residential systems*
  - Engaged Halifax Regional Municipal staff to start program
  - Formed key partnerships with only local manufacturers
  - Oversaw bid which was awarded largest contract in Atlantic Canada – 1000 installations, as partner
- *CEDIF – Lead with shareholders and fund raising. First Scotian Wind Inc offering was over subscribed by 9%.*
  - Working knowledge of associated Securities and Economic Development legislation
- *General Operations*
  - Responsible for leases and small contracts
- *Other roles*
  - Head of Research and Development activities totalling over \$250,000 over 5 years
  - Administered Human Resource responsibilities and contracts while growing staff from 2 to 21

**2006 – 2008**

**Chebucto WindFields Inc.**

**Director / Vice President**

- Member of the Board of Directors for local renewable energy investment group
- Governance
- Presented public presentations on wind energy and investment opportunities

**2002 – 2008**

**PCL Constructors Canada Inc.**

**Project Manager**

- Integral team member for many major projects, including:
  - Optima Tower (Toronto, ON)
  - Halifax International Airport Expansion
  - Lunenburg County Justice Centre
- Performed document control, design coordination and contract management

### **Additional Training & Skills**

- Financial modelling
- Experience in operations management
- Understanding of BOP pricing
- Materials procurement
- Project permitting / regulatory compliance
- Project management



## Florian Mueller

Chief Financial Officer

### Education & Certifications

- 2015 – Present**    **Master in Economics**  
University of Hagen
- 2013 – 2015**    **Master in Management of SME**  
University of Applied Sciences Krems
- 2010 – 2012**    **Master in Quantitative Finance**  
University of Warsaw
- 2007 – 2010**    **Bachelor in Business Science**  
University of Vienna

### Professional Experience

- 2016 – Present**    **SWEB Development Inc.**  
Chief Financial Officer
- 2012 – 2016**    **WEB Windenergie AG**  
Project Finance & Controlling
- 2011 – 2012**    **PriceWaterhouseCoopers**  
Research Assignment
- 2011**    **PriceWaterhouseCoopers**  
Valuation & Economics
- 2010**    **Department of Finance – University of Vienna**  
Project Associate
- 2008 – 2010**    **Huebner & Huebner MC**  
Management Consulting

### Additional Training & Skills

- Languages – German (native), and English (fluent)
- Advanced proficiency in quantitative analytics
- Strong project risk and project finance analysis
- Proficient in VBA programming language





## Amy Gibson

Finance Manager

### Education & Certifications

**2016 – Present**    **CPA PEP Program**

CPA Atlantic School of Business

**2015**                **CPA PREP Program**

CPA Atlantic School of Business

**2002 – 2006**        **Master's of Business Administration**

Saint Mary's University

**1996 – 1998**        **Bachelor of Applied Arts – Radio and Television**

Ryerson University

**1993 – 1996**        **Bachelor of Science - Psychology**

CPA Atlantic School of Business

### Professional Experience

**2015 – Present**    **SWEB Development Inc.**

**Finance Manager**

- Financial management of the Canadian and United States operations including overseeing cash management, budgeting, forecasting, payroll, group benefits plan, and accounts payable and receivable functions
- Prepare quarterly financial report package and manage relationships with project company Boards and lenders (Scotianweb/Scotianweb II/Pisgah Mountain LLC)
- Manage banking and insurance relationships and all related matters for Canadian and United States entities
- Part of project team to obtain financing for new wind development projects
- Manage communication and reporting to CRA with respect to HST and Tax filings
- Coordinate the audit process with KPMG
- Supervise SWEB's Senior Administrator

**2013 – 2015**        **Nova Scotia Business Inc. (NSBI)**

**Portfolio Manager, Business Financing**

- Managed NSBI's loan portfolio including conducting annual financial reviews, site visits, loan valuations, loan renewals, addressing arrears, write-offs, impairments and ensuring compliance of loan agreements
- Prepared loan amendment proposals and presented transactions to NSBI's Investment Committee and Board of Directors
- Managed receivership process for impaired accounts including liaising with other lenders, the department of justice, and third-party receivers
- Prepared quarterly top 10 loan report and portfolio issues report for presentation to the Investment Committee of the Board
- Managed Business Financing's co-op students in assisting with the management of the portfolio and the review of WIPSI applications
- Negotiated and prepared payroll rebate proposals for NSBI's business financing clients

- 2011 – 2013      Nova Scotia Business Inc. (NSBI)**  
**Business Manager, Investment Attraction/Venture Capital**
- Managed the transaction process of all investment attraction payroll rebate proposals. Evaluated financials, assessed risk, and prepared contracts and proposals
  - Performed thorough due diligence for new and follow-on investments
  - Prepared Request and Recommendation (R&R) to Cabinet and participated in briefing the Minister for payroll rebate, equity, and loan transactions
  - Effectively managed and administered the disbursement of the payroll rebate program and provided mentorship and supervision to the Business Support Coordinator
- 2010 – 2011      Nova Scotia Gateway Secretariat (Province of Nova Scotia)**  
**Senior Project Analyst**
- Researched and developed a Logistics Assessment Model (LAM) that mapped the competitiveness of the supply chain through the NS Gateway and compared it to competing gateways (e.g. Montreal, NY/NJ, Vancouver)
  - Project Manager in the RFP selection process of converting the developed Excel based LAM into a web based software application by a third-party service provider, which was later developed into a transit time calculator for the Halifax Port Authority [www.halifaxgetsitthere.com](http://www.halifaxgetsitthere.com)
  - Member of the Halifax Logistics Park working committee with the Halifax Gateway Council, Port of Halifax, HRM, Greater Halifax Partnership, and NSBI in the development of a strategy and vision for the Halifax Logistics Park
- 2009 – 2010      ING Real Estate Investment Management (REIM) Canada**  
**Manager, Portfolio Analysis**
- Managed portfolio analysts in the preparation and compilation of external and internal reporting packages
  - Analyzed a \$3.2 billion portfolio comprising over 33 million square feet of industrial real estate and 2 million square feet of retail real estate across Canada and prepared monthly commentary for investors and the Executive Management Team (EMT) on key performance indicators including NOI variance analysis, Occupancy, Retention, Same Property Sales and Leasing
  - Prepared fund level and portfolio level annual budgets and forecasts
  - Project Business Lead for various Company-wide initiatives including Rolling Forecast application development, Deal Tracker application development, MRI upgrade, etc...
  - Worked with I.T. Department on the development of new and/or adapted reporting requirements



- 2007 – 2009**      **ING Real Estate Investment Management (REIM) Canada**  
**Senior Financial Analyst, Portfolio Analysis**
- Prepared, compiled, and analyzed monthly financial and operational data for internal and external reporting
  - Assisted in the preparation and analysis of the budget and forecasts and with semi-annual valuation of the portfolio including financial modeling using Argus
- 2004 – 2007**      **Halifax Port Authority**  
**Business Analyst / Development Associate**
- Prepared monthly cargo statistics package for various levels of the organization and tracked other North American port cargo statistics in comparison with HPA's
  - Coordinated the Marine Security Contribution Program including tracking project costs and liaising with Transport Canada with respect to submissions
  - Assisted Manager of Finance with capital budgeting process and other duties as required
  - Prepared business cases and managed master plan for the Seaport Redevelopment project including submissions to the Board of Director's for the Pier 23 convention centre (Cunard Centre), Shed 22 Cruise pavilion, Film and Media Centre, etc...
  - Prepared application to Transport Canada requesting an increase in HPA's borrowing limit
  - Tracked budget and status of Seaport Redevelopment Projects as well as coordinated two public meetings in partnership with MT&L
- 1999 – 2004**      **Salter Street Digital**  
**Sound Editor**
- Worked with various clients on voice over recordings, dialogue editing, and foley recordings on shows such as Made in Canada, Lexx, Street Cents, and various other television programs, films, and documentaries. Nominated for a Gemini for best sound for Made in Canada (fall, 2003)

### **Additional Training & Skills**

- Microsoft Office Skills: Extensive experience with Microsoft Excel, Word, Power Point
- Experience with Argus (Real Estate Valuation software), MRI (Intuit/IRES), and Salesforce (CRM)
- Experience with Ceridian payroll system
- Experience with LPMS (provincial accounting software)
- Strong leadership qualities
- Excellent organizational and communication skills
- Strategic and analytical thinker
- An obsession with attention to detail



## Rory Cantwell

Director of Development

### Education & Certifications

- 2011**      **Certificate of Project Management**  
**PMBOK Comprehensive Project Management Course**  
McGill University
- 2008**      **Master of Science, Renewable Resources**  
McGill University
- 2001 – 2006**      **Bachelor of Science, Honours – Environmental Science**  
Dalhousie University

### Professional Experience

**2016 – Present**      **SWEB Development Inc.**  
**Director of Development**

- Lead the origination and development of renewable energy projects throughout North America, and mobilize origination team accordingly. Reporting to President / CEO.
- Identify new projects, perform risk analysis and determine financial viability, then present to Board seeking approval for investment.
- Acquire new assets, negotiate partnerships and purchase and sale agreements.
- Work with financial institutions to achieve project financing by obtaining senior debt.

**2015 – 2016**      **SWEB Development Inc.**  
**Development Manager**

- Manage the development team, and reported to the Chief Operating Officer.
- Develop projects from greenfield to commercial operation.
- Negotiate turbine supply agreements and service and maintenance agreements with original equipment manufacturers.
- Perform and manage market analysis, site identification and assessment, land acquisition, wind resource assessment, project design, permitting and regulatory compliance, interconnection studies and agreements, public relations, financial pro-forma analysis, negotiate partnership agreements, and due diligence for project financing activities.
- Manage subcontractors and related accounts across development portfolio.

**2011 – 2015**      **TCI Renewables Ltd. (registered in Canada as Air Energy TCI Inc)**  
**Development Manager**  
Project Management

- Manage and execute the development of greenfield utility scale wind energy projects (typically ranging from 50 MW to 150 MW) and related infrastructure, including electrical transmission lines, throughout Canada and the United States.
- Prepare reports, recommendations and presentations for Senior Management and / or the Board of Directors.



- Prepare and submit bid submissions to electric utilities' renewable energy request for proposals (RFP).
- Developing project budgets and project schedules, and regularly tracking and predicting activity using Microsoft Projects.
- Leading cross-functional project teams, including managing subcontractors carrying out work on our projects, which include consultants (environmental, electrical, aviation, meteorological, etc.), a GIS team, and legal counsel. As well as disseminating and evaluating tenders for related work orders to select the successful firm to assist with the project.
- Hiring of staff to complete a variety of roles throughout project development, including qualifying project subcontractors.

#### Business Development

- Identification and evaluation of opportunities to develop greenfield wind energy projects in support of corporate growth targets for selected markets across North America, for example in: PJM, MISO, NYISO, ISO-NE, HQD, and the IESO.
- Company representation at trade shows, advertising and marketing the company to attract joint ventures (JV), and after making contact, performing due diligence on the JV projects.
- Enter new markets and execute land acquisition campaigns for greenfield wind energy developments, managing on site land agent, preparation of lease agreements, performing title searches, and recording the executed agreements.

#### Technical Activities

- Project permitting activities involving the preparation and filing of regulatory applications for wind energy projects, as well as pre-permitting work for wind energy projects including performing a variety of environmental surveys.
- Preparing and submitting generator interconnection applications for wind energy projects connecting to the transmission grid, including Feasibility Studies, System Impact Studies, Facilities Studies, and Generator Interconnection Agreements. This requires a solid understanding of Open Access Transmission Tariffs, and bulk power transmission issues.
- Negotiate contracts ranging from landowner wind energy lease agreements, electrical transmission line easement agreements, generator interconnection agreements, consultancy agreements, and non-disclosure agreements.
- Manage wind resource assessments, including met tower installation / maintenance / decom, data collection, and analysis.

#### Stakeholder Engagement

- Maintaining strong relationships with market participants, and consulting with key stakeholders, including: gathering project specific information, resolving issues related to proposed wind energy developments, winning hearts and minds of those involved with a project, and obtaining resolutions of project support from municipal and county governments.
- Organizing and hosting public open houses for proposed wind energy projects with attendances of over 150 people.

- 2009 – 2010**      **TCI Renewables Ltd. (registered in Canada as Air Energy TCI Inc)**  
**Project Developer**
- Greenfielded (a/k/a originated) wind energy development sites.
  - Prepared and submitted generator interconnection applications to PJM and MISO (Regional Transmission Operators).
  - Identified target landowners and carried out land acquisition campaigns to secure sites for wind turbines and related infrastructure. Approximately 50,000 acres of land signed into agreements.
- 2008**              **TCI Renewables Ltd. (registered in Canada as Air Energy TCI Inc)**  
**Internship**
- Prepared a wind energy project permitting database relating to the regulatory requirements for the markets in which the company had proposed projects.
  - Identified wind energy development projects, including on site evaluation.
- 2007**              **Jacques Whitford Environment Ltd. (Since acquired by Stantec)**  
**Environmental Scientist**
- Environmental consultancy involving the preparation of Phase I, II, and III Environmental Site Assessments (ESA) to comply with the Province of Quebec's relevant regulatory agency, the MDDEP.
  - ESAs required a variety of tasks to be completed including: historical research, site reconnaissance visits, land surveying, collecting soil and groundwater samples, interpreting laboratory results of soil and groundwater samples.
  - Subcontractor management, and internal team management.
- 2006**              **Nova Scotia Government – Department of Environment and Labour**  
**NS Youth Conservation Corps: Project Management**
- Managed 25 environmental conservation projects throughout Nova Scotia, including the hiring and supervising of approximately 50 staff.
  - Organized regular site visits and training events to support and educate staff.
  - Prepared and circulated both internal and public reports regarding the status of the projects.

### **Additional Training & Skills**

- Project management
- Market analysis
- Project permitting / regulatory compliance
- Contract negotiation
- Land acquisition
- Capital budgeting
- Consensus building
- Stakeholder consultation
- Cross-functional leadership



## Mitchell Underhay

Development Manager

### Education & Certifications

- 2010 – 2013**     **Bachelor of Community Design, Honours Environmental Planning**  
Dalhousie University
- 2008 – 2009**     **Katimavik Youth Exchange Program**  
Val d'Or, Quebec / Quesnel, British Columbia / Richard's Landing, Ontario

### Professional Experience

- 2016 – Present**     **SWEB Development Inc.**  
**Development Manager**
- Responsible for origination of new wind projects; greenfielding, partnerships and acquisitions within New England
  - Responsible for project development work and bid preparation
  - Lead for coordination of permitting and environmental requirements in different jurisdictions
  - Accountable for achieving project milestones within a set budget for 20+ MW of wind energy
  - Manage budgets and schedules for multiple projects simultaneously
- 2015 – 2016**     **SWEB Development Inc.**  
**Project Coordinator**
- Lead for land control, graphic design, interconnection contracts, and permitting of wind projects in Nova Scotia, British Columbia, and New England
  - Lead the consultation process throughout the submission and approval of a full Environmental Assessment in Nova Scotia
  - Supported engagement and environmental field studies for Bands of the Okanagan Nation regarding wind projects in development
  - Managed the environmental field work and reporting for installed wind projects in Nova Scotia
  - Designed and optimized wind project layouts and trail maps based on numerous, dynamic constraints in multiple geographic regions
  - Engaged and negotiated with prospective business partners in the United States
  - Facilitated the leases and easements for four wind projects in Nova Scotia
  - Liaised with municipal councils, first nation councils, and community interest groups in the United States and Canada
- 2014 – 2015**     **Scotian Windfields Inc.**  
**Project Planner**
- Lead for environment, project mapping, graphic design, and permitting of wind projects in Nova Scotia



- Supported land control, community engagement, and construction

**2013 – 2014      Derek A French and Associates**

**Freelance Planner/ Designer**

- Contract for public consultation and design of new municipal park
- Completed and presented concept sketches and layouts to Council

**2012 – 2013      Halifax Citadel Regimental Association**

**Military Interpreter**

- Heritage presenter, supervisor, and bilingual tour guide
- Participated in heritage presentations in Nova Scotia, New Brunswick, Newfoundland, and Ohio
- Called back for VIP tours of Halifax Defensive Complex

**Additional Training & Skills**

- Community and stakeholder Engagement
- First Nation Engagement
- Project Management
- GIS Analysis - ESRI Arc Map 9.0 – 10.1
- Adobe Design Suite PS6
- Remote data interfaces
- Microsoft Office





## Toby Hall

Director of Construction

### Education & Certifications

1990-1994      Riverside High School

### Professional Experience

2014 – Present      S.W.E.B. Development Inc.

**Director of Construction & Operations**

- Project – Pisgah Mountain : 5 Vestas V90      9 MW
- Project – Phase III Comfit : 6 Vestas V100 / V110's      12 MW
- Project – Phase II Comfit : 11 Vestas V100's      22 MW
- Project – Phase I Comfit : 3 Vestas V100's      6 MW

2013 – 2014      HB White Canada

**Superintendent/ Construction Manager**

- Project – McLeans Mountain Wind Farm : 24 GE2.5's      60 MW
- Project – Summerhaven Wind LP : 56 Siemens G2's      124.4 MW

2005 – 2013      Northwind Solutions (Formerly Northwind Turbines)

**VP – Operations/ Project Manager**

- Project – East Lake St. Clair Wind LLC : 55 V90's      99 MW
- Project – Agris Solar Co-Operative : 267 Deger D100's      2.67 MW
- Project – Northwind Service / Maintenance
  - GE MSA - Erie Shores Wind Farm      99 MW
  - GE MSA - Prince Wind Farm      189 MW
  - GE MSA - Magrath Wind Farm      30 MW
  - GE MSA - Chin Chute Wind Farm      30 MW
  - GE MSA - Soderglen Wind Farm      70.5 MW
  - Vestas MSA – Canadian Service Support      198 MW
- Project – Lookout Wind Power LLC : 18 S88's      37.8 MW
- Project – Forward Wind Power LLC : 14 S88's      29.4 MW
- Project – Allegheny Ridge Wind Farm : 40 G87's      80 MW
- Project – Locust Ridge Wind Farm : 13 G87's      26 MW
- Project – St. Leon Wind Power Project : 40 V82's      66 MW
- Project – Kingsbridge Wind Power Project : 22 V80's      39.6 MW

2004 – 2005      RJS Mechanical Inc.

**Project Manager**

- Project – Copper Mountain Phase II : 25 V80's      45 MW
- Project – Miller Mountain : 30 V80's      54 MW
- Project – Pubnico Point WF Phase II : 15 V80's      27 MW



## **2002 – 2004      Vestas – American Wind Technology**

- Technical support – Highwinds : 81 -V80's      145.8 MW  
Troubleshooting repetitive issues with turbines and general maintenance of the turbines.
- Project – Pubnico Point Wind Farm : 2 -V80's      3.6 MW  
Construction Manager, Technical Advisor, training new contractors on erection of turbine in every aspect, Inventory Coordinator, fault report system, mechanical completion inspections, start-up testing of turbine, and final acceptance paperwork
- Project – Highwinds II : 9 - V80's      16.2MW  
Technical Advisor, fiberglass repair, fault report system, Inventory Coordinator, training technician on receiving
- Project – Bowling Green : 2 - V80's      3.6 MW  
Construction Manager, Technical Advisor, training new contractors on erection of turbine in every aspect, Inventory Coordinator, fault report system, mechanical completion inspections, start-up testing of turbine, and final acceptance paperwork
- Project – Highwinds : 81 - V80's      145.8 MW  
Blade technician, Technical Advisor, receiver, Construction Manager training, start-up testing of turbine, fault report operating system training, inventory flow training, daily reports training
- Project – SMUD Solano : 22 - V47's      14.5 MW  
Blade technician and training a new blade technician
- Project – Cal Wind : 13 - V47's      8.6 MW  
Blade technician, start-up testing of turbine, Vestas Class "A" blade certification, training new blade technician on blade tip replacement
- Project – Hancock County : 147 - V47's      97 MW  
Vestas Class "B" fiberglass certification, fault report training, blade technician, start-up testing of turbine, receiver training
- Project – Stateline Phase II : 55-V47's      36.3 MW  
Blade technician training and small fiberglass repairs, start-up testing of turbine
- Project – Stateline Phase I : 131-V47's      86.5 MW  
Service Technician Training for Operation & Maintenance

## **2001      Keystone RV Company Quality Control Manager**

- Made sure that all of the trailers were systems tested, free from defects, and passed state and federal standards.
- Made sure that all of the trailers were built to code.
- Oversaw the quality of the trailers built and made sure they were in a presentable manner before being shipped to the customer.
- Made sure that all repairs were acceptable and visually appealing.
- Monitored the lamination process and trouble shooting problems.
- Kept track of all the testing completed on the trailers through a database.



- 2000**                      **Keystone RV Company**  
**Fiberglass Repairman**
- Repaired any body damage to trailers with bondo, fiberglass, and paint.
  - Assisted other departments when there was no repair work.
- 1997 – 2000**            **Bigfoot Industries**  
**Fiberglass Repairman/ Cab Shop Lead**
- Cut wood and paneling for cabinets.
  - Organized and maintained proper jigs and cut sheets.
  - Make sure employees completed work in a timely manner.
  - Assisted with major fiberglass repairs and stress cracks.
- 1997**                      **Commercial Tire**  
**Retail sales/ Assistant Manager**
- Processed all retail sales.
  - Oversaw the inspection of cars in the shop for safety issues.
  - Made sure that all service work was completed on time and correctly.
  - Ran end of day reports and kept track of labor hours.
  - Ordered shop supplies and scheduled equipment maintenance.

### **Additional Training & Skills**

- Working knowledge of the construction and operation of wind turbines
- General knowledge of electrical infrastructure
- Ability to weld with wire feed, stick and acetylene
- Ability to read blue prints



## Nick Durling

Operations Manager

### Education & Certifications

**2008 – 2010**      **Energy Sustainability Engineering Technology**

NSCC Annapolis Valley

**2007 – 2008**      **Electrical-Construction & Industrial Certificate**

NSCC Kingstec

### Professional Experience

**2017 – Present**      **SWEB Development Inc.**

**Operations Manager**

- Oversaw all regional operations and maintenance activities
- Shared responsibility for the overall revenue goals and gross profit goals for the region
- Worked closely with turbine manufacturers to develop and implement Operation focused feedback for configuration, planned and unplanned maintenance
- Monitored and reported turbine performance
- Audited electrical utility revenue
- Acted as liaison with electrical utility
- Performed minor unscheduled repairs
- Managed major component replacements for wind turbines
- Experienced with Vestas Online SCADA
- Managed and maintained machine-to-machine communication equipment

**2015 – 2017**      **SWEB Development Inc.**

**Assistance Construction Manager**

- Represented owner during onsite wind turbine construction
- Oversaw electrical and civil design
- Maintained construction schedules and updates
- Coordinated subcontractors and site services
- Performed topographical survey using Topcon survey equipment
- Experienced with reviewing electrical and civil construction drawings and filling out technical applications

**2010 – 2015**      **Scotian Windfields Inc.**

**Project Coordinator**

- Oversaw met tower installation and performed commissioning
- Performed in-house wind assessments with WindPRO and WAsP
- Created financial models and performance analysis
- Conducted Land-Owner relations including the signing of options and leases



- 2010**      **NSCC Applied Energy Research  
Project Coordinator**
- Preformed modeling analysis on innovative building designs
- 2009**      **Scotian Windfields Inc.  
Intern**
- Solar Assessments for Residential and Commercial Properties
  - Small Wind Turbine Sales
  - Performance analysis for small residential wind
  - Pricing Commercial Solar Thermal and Photovoltaic Projects
- 2008**      **Grave's Electrical  
First Year Electrician**
- Experienced with residential and commercial wiring systems
  - Studied the Canadian Electrical Code
  - Trained in the understanding of electrical schematics

### **Additional Training & Skills**

- 2015**      Arc Flash & High Voltage Safety – Canada Training Group
- 2013**      windPRO Introductory Training – EMD International
- 2011**      Tower Rescue Training – Remote Access Technology
- 2010**      Leadership for Safety Excellent – Nova Scotia Construction Safety Association
- 2010**      Hazard Identification and Control – Nova Scotia Construction Safety Association
- 2010**      Principles of Loss Control Audit – Nova Scotia Construction Safety Association
- 2010**      Principles of Loss Control – Nova Scotia Construction Safety Association
- 2010**      Emergency First Aid – Nova Scotia Construction Safety Association
- 2010**      Fall Protection – Nova Scotia Construction Safety Association
- 2010**      Workplace Hazardous Materials Information System – Nova Scotia Construction Safety Association
- 2010**      Occupational Health and Safety– Nova Scotia Construction Safety Association