



## TOWN OF CAPE ELIZABETH

Town Hall  
P.O. Box 6260  
320 Ocean House Road  
Cape Elizabeth, Maine 04107-0060

799-5251  
Area Code 207  
Facsimile 799-7141  
Website: [www.capeelizabeth.com](http://www.capeelizabeth.com)

To: Town Council

From: Appointments Committee  
Patricia Grennon, Chair  
James Garvin  
Katharine Ray

Re: Recommendations to the Alternative Energy Committee 2016

Date: March 7, 2016

On January 4, 2016 the town council approved the purpose and charge of the new ad-hoc Alternative Energy Committee 2016. The committee will consist of five citizens appointed by the appointments committee process. In addition Greg Marles, Director of Facilities and Transportation will serve as the staff person.

A total of 18 applications were received. The applicants were willing to serve with varied backgrounds, knowledge and expertise. Although it was a difficult decision, the appointments committee recommends the following residents to serve on the Alternative Energy Committee 2016 with a term until December 31, 2016 unless extended by the town council.

Wes Doane	14 Eastman Road
James V. Masi	242 Spurwink Avenue
Laurenz Schmidt	3 Hunts Point Road
Julia Bassett Schwerin	35 Trundy Road
Richard W. (Rick) Smith	17 Cross Hill Road

Thank you for your consideration.

Approved by the Town Council 1/4/2016

## **Cape Elizabeth Alternative Energy Committee Purpose and Charge**

### **Committee Structure**

The Cape Elizabeth Alternative Energy Committee will consist of five citizens appointed by the town council utilizing its appointments committee process. The committee shall elect its own chair and secretary. Any vacancy on the committee after the initial appointees have first met shall be filled by the town council chair after consultation with the appointments committee chair. The facilities manager shall serve as a non-voting ex-officio member of the committee and shall provide staff services to the committee. No one of the committee shall have a personal financial interest in any proposal.

### **Committee Purpose**

The committee shall explore opportunities to provide alternative energy to municipal and school buildings and vehicles. This includes a look at utilization of town and school land and buildings for solar energy opportunities. Its work product shall be a report to the town council providing specific proposals and cost estimates. Any proposals with cost impacts shall include the cost to implement as well as projected costs savings, future energy cost projections, and a risks section which identifies and quantifies all risks associated with the use, lease, rental or financing of a system including operation, performance, maintenance, guarantees, indemnities (including taxes and changes to Tax Law and/or Net Metering) and credit (vendors and financing parties).

### **Duration of Committee**

The committee shall continue in existence until December 31, 2016 unless its term is extending by the town council.

### **Funding and Staff Resources Needed**

The town council will make available \$10,000 for the town manager to consider authorizing any technical reviews requested by the committee and for any costs relating to report writing, legal review and miscellaneous committee expenses. The anticipated staff time for the committee is 44 hours. This consists of six meetings at four hours each including preparation time and 16 hours of miscellaneous activity related to the work of the committee for the principal staff liaison and 10 hours for the town manager. In addition, the town council will spend an estimated two hours each reviewing the committee report for a total of 14 hours. The committee members will be anticipated to spend approximately 28 hours each for a total of 140 hours. It is not known if school board time will be needed. This will depend on the direction of the committee.

### **Summary**

\$10,000 cash expense

50 hours staff time

14 hours council time

140 hours volunteer time



Debra Lane &lt;debra.lane@capeelizabeth.org&gt;

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**Application for Boards and Committees**1 message

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**Wes Doane** < >  
To: debra.lane@capeelizabeth.org

Thu, Jan 21, 2016 at 1:12 PM

Below is the result of your feedback form. It was submitted by  
Wes Doane on Thursday, January 21, 2016 at 18:12:27

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Committee No. 1: Alternative Energy Committee 2016

Address: 14 Eastman Rd, Cape Elizabeth

Home phone:

unlisted: Yes

Occupation: Sales Manager for International solar trade show company

Employer: Solar Promotion GmbH

Why these boards?: I have a personal as well as a professional interest in renewable energy and solar in particular. My wife and I bought a house in Cape last year and I would like to become more involved in the community and this committee brings those two interests together.

Skills/Talents: I am directly involved in the solar industry. The company I work for puts on seven trade shows around the world that service the solar industry so I speak to people from all areas of the industry on a daily basis and have a good grasp of industry trends, technology, etc. While not an expert by any means I have industry contacts and have experience setting budgets on projects, etc.

LinkedIn Profile : <https://www.linkedin.com/in/wes-doane-308b7824>

Previous Service: I volunteered as an AmeriCorps member for a year in Austin, TX after graduating from college, working with at risk youth in the public school system.

Employed By Town/School: No

Volunteer For Town/School: No

Flexible Schedule: Yes



Debra Lane &lt;debra.lane@capeelizabeth.org&gt;

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**Application for Boards and Committees**1 message

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**James V. Masi**

Fri, Jan 15, 2016 at 12:18 PM

To: debra.lane@capeelizabeth.org

Below is the result of your feedback form. It was submitted by  
James V. Masi on Friday, January 15, 2016 at 17:18:00

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Committee No. 1: Alternative Energy Committee 2016

Address: 242 Spurwink Ave., Cape Elizabeth, ME 04107

Home phone:

Work phone:

unlisted: No

Occupation: Physicist/professor/retired sort of...

Employer: USM, Adjunct Professor

Why these boards?: I'm a Cape resident wanting to help in the process. I have worked in, designed devices, and taught Renewable Energy (presently teaching in S 2016).

Skills/Talents: Technical, experience, and ease of working with a variety of people with a variety of talents.

Previous Service: I served on municipal boards in Wilbraham, MA prior to moving here in 2000. I initiated and continue the solar work at St. Bartholomew's. I perform outreach to local H.S. students.

Employed By Town/School: No

Volunteer For Town/School: No

Flexible Schedule: Yes

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# James V. Masi, Ph.D.

## Personal

### Home Address:

242 Spurwink Ave., Cape Elizabeth, ME 04107

### Academic Address:

University of Southern Maine.  
John Mitchell Center, Dept. of Engineering  
Gorham, ME 04038

## EDUCATIONAL BACKGROUND

University of Delaware, Newark, Delaware, Ph.D. Applied Science (Materials Science)

L.I.U., Brookville, NY, M.S. Physics

Fairfield University, Fairfield, CT., B.S. Physics

## MEMBERSHIPS/SOCIETIES:

Sigma Pi Sigma Physics Hon. Soc., Sigma Beta Tau Eng. Hon Soc., IEEE (Sr. Member), ASEE, Electrochemical Society, ASM Int., AVS, NY Acad. of Sci., Materials Research Society, N.A.C.E., IAOMT, Engineering Soc. of Western Mass., American Ceramic Soc., ASME, AAPT, ACS, SPIE Int. Opt. Eng. Soc., Biomedical Optics Society, LEOS, AIMBE (Fellow).

## AWARDS:

NSF Research/Teaching Fellowship, 1962; Prod. of the Year Award, Electronic Products, 1976 . "American Men and Women in Science", "Who's Who in Technology Today", "Leading Consultants in Technology"; AT&T Found. Award for Excellence in Teaching & Research 1986, 1994 Teacher of the Year W.N.E.U., Distinguished Engineer Award, Eng. Week, 1994. Rome Labs AFOSR Solid State Research Fellowship, 1995 Fellow AIMBE; Nelson and Small Award, Teaching and Research, USM, State of Maine, 2003. Engineering Hall of Fame, WNE Univ..

## ACADEMIC EXPERIENCE:

1975-1977 - Part time Physics Instructor, Bridgeport Engineering Institute (now Fairfield U.).

1977-1980 - Materials Science, University of Delaware.

1980-1998 - Western New England University/College, Springfield, MA. Professor in the Electrical Engineering Department, Chair (1981-1986). Coordinator Bioeng. Program (1981-1997).

2001-present - Western New England University/College, professor Emeritus, also teaching distance courses in Electro Optics/Photonics and Power

2001- present -Professor, University of Southern Maine, Gorham, ME, teaching Materials Science, Fluid Mechanics, Mechanics, Advanced Materials, Renewable Energy, and Energy courses. Research Mentor for students.

**CONSULTING (Partial)\***American Saw, Cutting Fluids, Predictive maintenance, Corrosion, and Chemistry;

Kema Nord, Silicon Technology, Materials Technology; Galileo Electro Optics, Fiber Optics and Optical Systems; \* ITT/Power Systems Div., Computer Aided Magnetics, NDT, Encapsulation; Holobeam Corp, ND:YAG Laser materials, Electronic Coils, Transformer Design; Adept Group, Microwave and Dielectric Devices, Adv. Mater; British Petroleum, Emerging Technologies and Semiconductors; Syracuse Electronics, Magnetic Materials and Testing; G&H Technology, Electrical Composites for EMI Protection; Black & Decker, New Ceramics Technology, Dielectric Devices; \*H.J. Heinz - IR analyses, Microwave Heating & Food Modeling; \*LCD Planar Optics., Liquid Crystal Displays; \*Naval Undersea Warfare Center - Laser Optics, IR, EMI/EMC, Corros., Composites Modeling, Dielectric Devices, Computer Simulation, Magnetic Materials, Electroplating; Anamet Laboratories, Structural and EMI Composites; \* Proxemics, Laser damage to coatings, Diffractive Optics, \*Otis Elevator, Corrosion Kinetics and predictive failure analysis; Becton Dickinson, Electrochemistry, Corrosion, Scalpel Blades, Electroplating Magnetic Materials, Dielectric Interfaces; Binney & Smith, Smart Polymer Studies; Linvatec/Bristol Myers, Dielectric/Optical Studies, Acufex, Biopolymers; Kaman, Modal Analysis, Predictive Design and Life Analysis; \*Sandia National Laboratories, Electromagnetics, IR, polymers,\*ITT, imaging, materials, laser materials interactions, \*ANL, materials, energy conversion., natural lighting, optics. \*Active Consulting

## EXPERIENCE

March 2001- present. Consultant, professor at USM. Emeritus Professor at WNEC.

**September 1, 1997 – March, 2001.** Executive Director, Northeast (now National) Center for Telecommunications Technologies (NSF Center), Springfield, MA. Technically and Administratively Responsible for NSF Center of Excellence in Telecommunications Technologies (\$2.5 million/annum budget). Curricula development and industrial R&D coordination.

**September 1, 1980-1998** (Retired, Emeritus) Western New England University/College, Springfield, Massachusetts, Prof. Electrical Engineering Department (Chair, 1981-1986). Coordinator, Bio Engineering Program (1981-1998). Teaching Electromagnetics, Power, Materials and Devices, Computer Instr. and Control, Bioengineering, Materials Science, Electro-Optics, Coherent Optics, Fiber and Integ. Optics, Biomaterials, Biomechanics. Part Time, October, 1989 - April, 1992. (Joint Appointment) Director of Research, Prosthetics and Orthotics, Shriners Hospital for Crippled Children, Springfield, MA.

**January 1976-August 31, 1980** - University of Delaware, Newark Delaware, lecturer Mech. Eng., Program Development Manager and Photovoltaics, Project Leader-Materials and Process Development at the Inst. of Energy Conversion.

**August 1975-January 1976** - UCE, Inc., Norwalk, CT, Vice President.

**October 1974-August 1975** - Optix Corporation, Norwalk, CT. Full-time Consultant

**February 1973-October 1974** - Innotech Corporation, Norwalk, CT. Full-time Consultant and Director of Applications Eng.

**December 1969-February 1973** - Bunker-Ramo Corporation, Trumbull, CT Senior Engineer, Product Development Lab.

**June 1966-December 1969** - Hartman Systems Company, Huntington Station, NY. Staff Solid State Physicist, Advanced Dev.

**August 1965-June 1966** - Servo Corporation of America, Hicksville, NY. Solid state physicist in the IREO Group, developed sensors, materials, and IR materials.

**August 1962-August 1965** - Space Age Materials Div. of Chas. Pfizer, Woodside, NY. Senior Solid State Physicist R&D.

**September 1961-August 1962** - Boston College Physics Department. Research and teaching assistant in the Physics Department.

**June 1960-September 1961** - Transitron Electronic Corporation, Wakefield, MA. Solid state physicist in the research and development group at Transitron Electronic Corp.

#### **PUBLICATIONS:**

Over 180 Publications and Presentations in areas such as Solid State Devices, Capacitive Devices, Microwaves, EMI, EMC, Materials, Combustion, Thermal reaction kinetics, Luminescence, Energy, Superconductivity, Dielectrics, Magnetism, Optics, Dental Materials, Materials testing, Corrosion, Semiconductors, Hydrogen, nano-ferrites and insulators, Renewable Energy Biomaterials, Prosthetics, and Composites. Three videotapes, four books, one monograph, chapters in various books, book on Electrical Power (to be published).

#### **PATENTS and INVENTIONS:**

Over 70 Patents in areas such as Materials, Devices, Energy Devices (photovoltaic, wind, thermal, engines), Thermal kinetics, Semiconductors, Communications, Optics, Displays, Magnetism, Dielectrics, Polymers, Detectors, Ceramics, Electrochemistry, Microwaves, Electromagnetics, Telecommunications, Composites, Wind power, and Rehabilitation Devices.

#### **Some Accomplishments:**

- \* Educator and Department Head for E.E./Bioengineering; \* Brought over 50 products to fruition;
- \* Successful Failure Analysis on a wide variety of devices; \* Process and System troubleshooting;
- \* Electrochemistry/Electrophysics Innovations; \* Developing educational tools and programs for state-of-the-art topics and methods; \* National and International contacts and recognition; \* Over 50+ years of broad-based experience; \* AT&T Found. Award for Excellence in Teaching & Research 1986,
- \* Distinguished Engineer Award, Eng. Week, 1994. \* Rome Labs AFOSR Solid State Research Fellowship, 1995, Fellow AIMBE; \* State of the art research in magnetism, electromagnetics, and materials modification; \* Successful peer and management interactions; \* Industrial contacts over a wide range of disciplines; \* Developed and taught cornerstone courses on NEH grant for 18 years "Cultures Past and Present" \* Director of O&P Research and Gait at Shriners Hospital \* Recognized excellence in teaching and research; \* Executive Director of highly successful NSF National Center for Telecommunications; \* Nelson & Small Award for Teaching and Student Advocacy. JVM 3/15/2015



Google

Debra Lane <debra.lane@capeelizabeth.org>

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## Application for Boards and Committees

1 message

**Laurenz Schmidt**

Thu, Jan 21, 2016 at 6:24 PM

To: debra.lane@capeelizabeth.org

Below is the result of your feedback form. It was submitted by  
Laurenz Schmidt on Thursday, January 21, 2016 at 23:24:13

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Committee No. 1: Alternative Energy Committee 2016

Address: 3 Hunts Point Road, Cape Elizabeth, ME 04107

Home phone:

Work phone:

unlisted: No

Occupation: Entrepreneur

Employer: Self employed

Why these boards?: Renewable energy is a way to sustain a high standard of living without the adverse impacts of pollution and greenhouse gases. The cost learning curve points at an intercept between traditional energy carrier cost and renewable energy in the immediate future.

Skills/Talents: Graduate degrees in Chemical Engineering and Business. Many years experience as an Operations Executive in a high tech firm. Detailed knowledge of renewable energy technology, especially solar, but also wind and storage technology.

Previous Service: Board of Directors MITC 6 years  
Board of Visitors USM 9 years  
Rotary Club Cape Elizabeth 24 years

Employed By Town/School: No

Volunteer For Town/School: No

Flexible Schedule: Yes

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## Laurenz Schmidt - Summary Biography



Laurenz Schmidt is an independent consultant and co-founder of Beltane Solar Inc., a start-up that develops solutions for low cost, scalable technology to harvest solar energy for power generation, water heating, absorption cooling, water purification and water desalination.

He has been the Chief Technology Officer of Fairchild Semiconductor until his retirement from Fairchild November 2008. He served as Executive Vice President of Global Operations of Fairchild Semiconductor from February 2004 to May 2008 and Senior Vice President of Global Operations from October 2001 to February 2004. Mr. Schmidt has over 25 years of experience in the semiconductor industry. He held various senior management positions over the preceding eight years, including Vice President of Wafer Fabrication Manufacturing, Vice President of Operations for Discrete Products Group and Managing Director of the South Portland, Maine wafer fabrication facility. Earlier he held Director Positions for a Product Line P&L and for the Quality department of the Logic Division of Fairchild / National Semiconductor. Prior to joining Fairchild in 1983, he worked for six years for Texas Instruments in Germany, France and Texas. Before joining Texas Instruments he worked for four years as Engineer for the Max-Planck-Gesellschaft in Germany.

He served on the Board of Directors of the Maine International Trade Center and still serves on the Board of Visitors of the University of Southern Maine.

Mr. Schmidt holds a Diploma Degree Dipl.-Ing (FH) from the Technische Universität Mannheim in Chemical Engineering and a MBA in Technology Management from the University of Phoenix.



Julia Bassett Schwerin

## Thank You

Below is what you submitted to [debra.lane@capeelizabeth.org](mailto:debra.lane@capeelizabeth.org) on Sunday, February 21, 2016 at 23:27:38

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**Committee No. 1:** Alternative Energy Committee 2016

**Address:** 35 Trundy Road

**Home phone:**

**unlisted:** No

**Occupation:** Real Estate Broker

**Employer:** Coldwell Banker

**Why these boards?:** Cape Elizabeth is uniquely threatened by the effects of climate change, including property flooding and value impacts from sea level rise, increasing storm damage to property and beaches, and elevated damage from insects and disease as well as changes in the growing season for farmers due to rising temperatures. In addition, nearby impacts on the fishery in Casco Bay include loss of cash species (shrimp, cod, etc.) and influx of invasive species due to sea temperature rise and ocean acidification. I have made it part of my real estate practice to focus on energy efficiency and renewable energy in buildings because I want to see Maine become a leader in curbing greenhouse gasses caused by fossil fuel combustion for heating, cooling and powering buildings by focusing on developing a sustainable residential and commercial building stock. I want to see Cape Elizabeth succeed in the sustainability goals set by the town council for 2016, and in particular, to set goals for the adoption of renewable energy in the town, both tied to buildings and also with community solar, because it sets a wonderful example to our citizens, especially young people, that our town has a commitment to addressing climate change, and because it actually makes sense economically. I was privileged to be a Trustee of the Thomas Memorial Library when it renovated its space over the last several years, partly because I was formerly a consultant on digital information products and was sure the future of the library was not threatened by the transition from analog to digital information. Moreover, I was excited that the new library design incorporated so many sustainability features, including preserving the existing historic building, incorporating passive solar, LED lighting, heat pumps and so much more. As part of the trustees charge to design programming for the public to celebrate the opening of the new space, I created an energy efficient and renewable energy workshop on February 27 including myself speaking on the value of buildings with green features and several authorities on energy audits, solar energy, and efficiency incentives so the public could get the latest, greatest information, and also featuring our own Greg Marles on the new library green features.

**Skills/Talents:** Some 30 years ago I was involved with studying the market for renewable energy including solar, wind and geothermal while at the IIT Research Institute as a contractor to DOE and the Solar Energy Research Institute. As a consultant, I have 30 or so years of experience leading projects including planning, research, financial analysis, projections, contingencies and report writing/presentations. Today, I am a Green Real Estate Broker, a Commercial Real Estate Broker, and

an educator to other brokers, teaching a 3 credit hour course approved by the Maine Real Estate Commission. I am one of the first brokers in Maine to list and sell a net zero home that made nearly as much energy as it consumed. I joined the Green Resource Council which is part of the National Association of Realtors, Maine Association of Building Efficiency Professionals which represents energy auditors and solar installers, and E2Tech, a group involved with energy at the utility grid and PUC level, enabling me to be current on the latest developments in the government and the utilities. I regularly attend meetings with Efficiency Maine, the Natural Resource Council of Maine, Island Institute, the Northeast Energy Efficiency Partnership, the Greater Portland Sustainability Council, Regional Greenhouse Gas Initiative, and many others to expand my understanding and contacts. I helped the Maine Association of Realtors establish the green features fields for Maine homes in the Multiple Listing Service. I am cognizant of the sustainable activities in neighboring communities, businesses that do energy audits and install rooftop and community solar, and certifications such as LEED, HERS, EnergyStar and CHPS for schools. I have a good grasp of current renewable energy incentives and how experts think they may be changing in the future. I look forward to serving should the Town Council deem my background and interest helpful to this worthwhile endeavor. Thank you!

**Previous Service:** Arts Commission, 3 years TML Trustees, 4 years

**Employed By Town/School:** No

**Volunteer For Town/School:** Yes

**Town volunteer explanation:** TML Board of Trustees served as Gallery Manager for 2 years served as Secretary for 2 years

**Flexible Schedule:** Yes

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FormMail © 2001 London Perl Mongers

# **JULIA BASSETT SCHWERIN**

**6 Cottage Lane, Cape Elizabeth, ME 04107**

## **Objective**

- to do good, profitably.

## **CAREER HISTORY**

### **Broker and Realtor, Coldwell Banker Residential Brokerage, 2006 to present**

- Manage transactions for contractual negotiations, contingencies, relationships, and compliance; liaison with inspectors, appraisers, municipalities, attorneys, contractors, bankers and brokers.
- Develop original market research and analysis of third party statistics to educate clients on real property markets; publish market information to consumers for business development purposes.
- Earned certifications for Designated Broker (highest license), New Construction, Relocation, and Green Broker; earned continuing education credits 150% above requirements. Earned Top Selling Broker status in the Saco, Maine office serving southern Maine eight times in the last two years.
- Leading Green Broker in Maine with one of the first energy efficient and solar energy subdivisions.

### **CEO, InfoTech, Inc. 1984 to 2005**

InfoTech principals were advisors and consultants to leading computer and consumer electronics manufacturers and entertainment and information publishers, start-up companies, and the financial community, and provided reliable market research, economic forecasts and technology assessments in the US, Canada, and throughout Europe and Asia for over 20 years.

- Created original market research forecasts for consumer and industrial products in optical, magnetic, solid state and holographic tape, disc and RAM storage and delivery systems, and information, music, video, and games content on physical and online publishing media.
- Produced and published the formative DVD market reports used by the DVD Forum from 1995-2004, and a number of online and web special reports for clients e.g. owners of video, music, games and information content, manufacturers of consumer electronics, etc. worldwide.
- Built an original, proprietary, large-scale, long-range econometric model of all entertainment and information IP, CE and IT spending worldwide from WWII to 2025 tied to global consumer spending statistics and economic trends spanning hundreds of media, broadcast and network formats.
- Created, co-authored, and produced the benchmark source of industry output statistics for CD-ROM and multimedia worldwide for over ten years. Designed and populated a comprehensive, original database of historic and projected multimedia industry sales, tracking from 25 companies in 1986 to over 750 in 1995 using census survey techniques in a worldwide data collection operation.
- Designed, produced and managed conferences, seminars, and workshops on new media.
- Managing partner responsible for project management, marketing, finance, operations and sales.
- Creative partner responsible for product design, surveys, data collection, and modeling.

### **Manager of Marketing and Sales, Information Delivery Systems, 1983-1984**

Helped to define and create the market for optical publishing (content delivery using laser discs, CDs, and DVDs) from the ground floor. Began as an internal consultant for market research and investor relations assigned by the parent, IIT Research Institute, then joined the management team to direct marketing and sales of one of the first vendors to invent, design and commercially market an optical publishing system using laser videodiscs (predating CD-ROM).

- Identified and developed early adopters from among online database and print publishers.
- Documented and presented technology assessment and business opportunity to investors.

## **Business Analyst, Technology Assessment Group, IIT Research Institute, 1981-1983**

Responsible for identifying markets, forecasting trends, and recommending venture and other equity financing for commercial applications of high technology developed in the public and private sectors.

- Investigated advanced technologies in materials (ceramics, substrates), manufacturing (robotics, optics), computers (gallium arsenide wafers, fiber optics), alternative energy (photovoltaic, wind, geothermal), and transportation (adiabatic engines, magnetic levitation, non-fossil fuels). Developed market forecasts, business applications and venture financing resources for new and emerging technologies integrating original expert surveys and third party market research.
- Performed site analysis for potential wind project using anemometer and projecting generation.
- Created a multi-disciplinary team of materials and transportation scientists for original adiabatic engine multi-client market study (a state-of-the-art use of ceramics to improve engine fuel efficiency) in response to severe fossil fuels price increases.
- Selected by the President of IITRI to develop market for a for-profit spin-off based on a ground-breaking invention by the computer science division for encoding data on laser videodiscs.

## **Sales and Regional Marketing Manager, Gates Rubber Company and Kenz & Leslie Chemical Distributors, 1979 to 1981.**

### **Technical Recruiter, Chemical and Engineering Personnel, 1976 – 1979**

- Responsible for identifying and qualifying candidates, acquiring job orders and filling jobs for applied science, engineering and technical management positions throughout the U.S.
- Worked with employers seeking specific work experience as Chemists and Chemical, Mechanical, and Electrical Engineers in process and design capacities in varied industrial sectors.

### **Personnel Assistant, Union Carbide Corporation, Films Packaging Div., 1974 – 1975**

- Assisted with Equal Employment Opportunity Compliance, Payroll and Benefits administration, and Engineering Recruitment for Fortune 100 Corporation.
- Recruited recent grads and experienced engineers in food packaging and plastic and natural films.

## **IT SKILLS**

Mac/PC; Excel; Word, PowerPoint, Frontpage, WordPress, Access, Quickbooks, DataFit, Finale, Illustrator.

## **EDUCATION SUMMARY**

**B.A.** 1974, Northern Illinois University; Dean's List.

Completed coursework in the Executive **MBA** Program in Technology Management, Illinois Institute of Technology, 1982-1984; business coursework at Northwestern University and Indiana University.

## **BOOKS, REPORTS, PUBLICATIONS, WEBSITES and BLOGS**

Author of over 200 published trade articles, and published and private research reports. Creator of many websites and blogs on consumer entertainment and technology markets, Maine property markets, and green construction. Currently preparing to teach a class on energy efficient residential construction.

## **CONFERENCES, SEMINARS, and COMPETITIONS**

Presenter of 200+ keynote and featured speeches, panel presentations and seminars at industry conferences and corporations in 18 nations, including MacWorld, Internet World, MILIA, Electronic Entertainment Expo (E3), Comdex, Software Publishers Association, American Association of Publishers, International Publisher's Association, PIRA and the Frankfurt Book Fair. Produced Optica and OpticalInfo.

## **ASSOCIATIONS**

Member in good standing of Maine Association of Realtors and National Association of Realtors since 2005. Board of Trustees, Thomas Memorial Library. Town Art Gallery Manager, Cape Elizabeth. AOPA. Founder and/or Past Director of 3 international trade associations, including Optical Publishing Association and DVD Association. Past Member and Standards Committee Chairman of the Information Industry Association.

25 September 2013

Re: Development Project Coordinator, Portland, Maine

Top Five Reasons I am the perfect candidate for this position

1. I have a track record of commitment to renewable energy:
  - a. Consulting work in wind and PV technology – 2 years
  - b. Green real estate Broker designation promoting renewable energy – 2 years
  - c. Created presentation on energy efficient construction and authoring a course to teach other brokers about the benefits – 1 year
  - d. Took over as lead Broker on a Green subdivision – <1 year
2. I have a proven ability to communicate effectively with:
  - a. Technical professionals
  - b. Government agencies
  - c. Land owners
  - d. Investors and stake holders
3. I have extensive experience researching:
  - a. Economic and financial data
  - b. Zoning, surveys, land use issues, and all property matters
  - c. Environmental issues
  - d. Wind data directly and using NWS, NOAA, and other sources
4. I have a demonstrated ability to:
  - a. Analyze and interpret complex data sets
  - b. Manage projects and work in a team
  - c. Be a self-starter
  - d. Be an effective public speaker on energy and environmental issues
5. I have direct experience with:
  - a. Developing raw land and working with local, state and federal agencies
  - b. Marketing an energy efficient product with a renewable energy component
  - c. Managing large consulting projects, publishing products and property brokerage projects
  - d. The proficient use of Word, Excel, Powerpoint, and many other programs without outside training

Please contact me for a personal interview at your convenience. Thank you!

Cheers,



Julia Bassett Schwerin  
[Julia.bassett@yahoo.com](mailto:Julia.bassett@yahoo.com)  
207.730.0276



Debra Lane &lt;debra.lane@capeelizabeth.org&gt;

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**Application for Boards and Committees**1 message

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**Richard W. Rick Smith**

Mon, Jan 25, 2016 at 10:05 PM

To: debra.lane@capeelizabeth.org

Below is the result of your feedback form. It was submitted by  
Richard W. (Rick) Smith on Tuesday, January 26, 2016 at 03:05:46

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Committee No. 1: Alternative Energy Committee 2016

Address: 17 Cross Hill Road

Home phone:

Work phone:

FAX:

unlisted: Yes

Occupation: Lawyer

Employer: Bernstein Shur Sawyer &amp; Nelson

Why these boards?: To help Cape Elizabeth develop energy resilience for emergencies and become carbon neutral in its normal energy use by applying microgrid, combined heat and power and alternative fuel vehicle use principles to the Town's real estate and vehicle assets

Skills/Talents: An understanding of real estate and land use from my work as a commercial real estate lawyer, an understanding of energy issues as a member of my firm's energy and environmental practice group and an understanding of renewable energy resources as the president of the non-profit Hydrogen Energy Center (HEC). In January 2015 HEC completed a two-year US DOE-funded study of the impediments to the deployment of alternative fuel fill and charging stations. I am a US Green Building Council LEED AP.

Previous Service: Hydrogen Energy Center since 1991 as founder, board member and currently as president. Stakeholder/participant in Maine Clean Communities at Greater Portland Council of Governments for four years. When living in Bath I served as a board member and/or president of the Chocolate Church for nine years. When living in Manchester NH I was a member of the Greater Manchester Chamber of Commerce Green Committee for three years and volunteer clerk of the NH Chapter of the US Green Building Council for three years.

Employed By Town/School: No

Volunteer For Town/School: No

Flexible Schedule: Yes