

Marc Collins is an energy program evaluation (EM&V) and Demand-Side Management (DSM) professional with a very diverse career history. Work experience includes time in the public sector, the quasi-public sector, political office and in private sector consulting.

Specialties:

- Energy program evaluation (EM&V)
 - Planning and management
 - Protocols and standards
 - Impact evaluation
 - Process evaluation
 - Market effects evaluation
 - Cost effectiveness testing
 - Demand-side management programs
 - Demand response programs
 - Use of advanced IT for energy-related applications
 - Regulatory aspects of EM&V and DSM tracking and reporting for utilities and central agencies
 - Potential studies
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EXPERIENCE

Director
Elenchus Energy Conservation

September 2011 – Present

- Team leader of consulting service to energy utilities, agencies, businesses and institutions that are interested in or implementing DSM programs
- Consulting focuses on maximizing the return on investment from DSM and energy conservation programs through effective program design and a continuous improvement process centered around EM&V
- Evaluation Planning
- Procurement of Third-Party, Independent Evaluation Contractors
- Management of Evaluation Contractors
- Claiming Savings (regulatory evidence and processes)
- DSM Program Design
- Project Engineering (M&V)

**Director/Manager — Evaluation,
Measurement and Verification (EM&V)
Ontario Power Authority**

2007 – 2011

- Created and built OPA’s EM&V Department, including all policies and procedures, from its inception in 2007 to a recognized class-leading institution in 2011
- Created the Ontario 2011-2014 EM&V Protocols and Requirements for all OPA and local utility-delivered demand-side management programs (<http://www.powerauthority.on.ca/benefits/evaluation-measurement-and-verification>)
 - Includes innovative (and unique due to full documentation of all sources and data) Measures and Assumptions Lists (technical reference manual) for both Prescriptive and Quasi-Prescriptive measures
 - Leading-edge demand response-specific protocols and cost-effectiveness
 - Includes Impact, Process, Cost Effectiveness and Market Effects evaluation streams
 - Clarity of role definitions amongst program administrator, evaluation administrator and evaluation contractor
- Successfully managed seven staff and multi-million dollar portfolio of energy program evaluations (undertaken by independent, third-party contractors)
- Leader in developing and deploying industry best practices

**Director/Manager — Information Systems
Ontario Power Authority**

2005 – 2007

- Senior person on all information systems issues at OPA during its start-up phase (created in early 2005) and first couple of years of operation.
- Highly-rated customer service and provision of systems at a fraction of typical costs

**Principal/Consultant
digital economies**

1997 – 2005

- “Outsourced IT Department” for firms and organizations that were reliant on computing, network and Internet technology, but too small to have full-time in-house IT staff
- Partial Client list:

Sterling Finlayson Architects	RobbieSane Architects (SkyDome)
Elenchus Research Associates	Figure 3 Interior Design
Adjelian Allen Rubeli Consulting Engineers (SkyDome)	Thomas Brown Architect
Institute of Public Administration of Canada	Bruce Woodrow, Solicitor (Co-operative Housing)
The Caledon Institute	Theatre Columbus
Ontario Power Authority	Electrovaya (Electrofuel)

Senior Advisor **1995 – 1997**
**Public Sector Labour Market and
Productivity Commission**
Ontario Ministry of Finance

- Work with MUSH (municipalities, universities, schools and hospitals) sector to bring about efficiencies in procurement of goods and services; waste reduction; administrative efficiencies; cost reductions

Special Assistant – Policy **1993 – 1995**
Office of the Minister
Ontario Ministry of Housing

- As a civil servant seconded into the political office, advised the Minister on all matters pertaining to social/assisted housing policy and programming
- Successful implementation of a new, more publicly-transparent approach to allocation of \$3 billion worth of social housing projects
- Served two Ministers: Hon. Evelyn Gigantes and Hon. Dr. Richard Allen

Policy Advisor **1989 – 1993**
Ontario Ministry of Housing

- Key role, including executive committee secretary and liaison, in both the \$2 billion (20,000 units) and \$3 billion (30,000 units) non-for-profit housing construction programs—the largest ever undertaken in Canada
- Primary driver was to re-regulate sector to move it away from traditional public housing model to one of community-based ownership and management
- Mortgage finance modelling and analysis and budget projections
- Role also focused on program evaluation

Research Officer **1988 – 1989**
Ontario Ministry of Housing

EDUCATION

Certified Energy Manager (CEM) **2010**
(Passed Exam)
Association of Energy Engineers

Certified Measurement and Verification **2008**
Professional (CMVP) (Passed Exam)
Association of Energy Engineers

Certificate in New Media Management **1997-98**
University of Toronto

Masters of Environmental Studies – Partially Completed/Part-Time 1989 – 1991
Urban Planning and Political Science
York University

Honours Bachelor of Environmental Studies (Urban & Regional Planning) 1984 – 1988
University of Waterloo

PROFESSIONAL PRESENTATIONS

Moderator: Planning for Better Program Results Aug 2011
International Energy Program Evaluators Conference;
Boston, USA

Presenter: Tier 1 Vs. Tier 2 and Tier 3 Programs: Feb 2011
Evaluation, Measurement, and Verification - Is There
Room for LDC Innovation?
EUCI Conference - Conservation and Demand
Management in Ontario: CDM Performance Codes in
Action; Toronto, Canada

Presenter: Fostering Innovation to Benefit Existing and Jan 2011
Future Programs
Association of Energy Services Professionals National
Conference; Orlando, USA

Panelist: The Language of Evaluating Energy Savings May 2010
2010 Energy Efficiency Global Forum; Washington, DC,
USA

Presenter: Measuring Program Performance from Cradle Aug 2009
to Grave
International Energy Program Evaluators Conference;
Portland, USA

Panelist: Discussion on Recent EM&V Protocols: Jan 2008
Pointless, Practical, or Perfect?
Association of Energy Services Professionals National
Conference; Clearwater, USA