|  |  |
| --- | --- |
|  |  |
| WiN-Canada | |
| Chapter president | **Heather Kleb** |
| Chapter board members | President- **Heather Kleb**, Bruce Power  Treasurer – **Katie Weishar**, Bruce Power  Secretary - **Emma Hauch**, Kinectrics Inc.  Executive Director – **Joy Shikaze**  Past President: **Colleen Sidford**, Ontario Power Generation (retired)  Past President: **Susan Brissette**, Bruce Power    **Members-at-Large:** **Laurie Fraser**, Ontario Power Generation  **Larkin Kee**, Canadian Nuclear Laboratories  **Laura Machan**, Knightsbridge  **Carrie Ng**, Bruce Power  **Amanda Rivers**, Kinectrics Inc.  **Marina Oeyangen**, Organization of Canadian Nuclear Industries  **Pauline Watson**, P. Watson Engineering & Public Policy    **Chapter Chairs**:  WiN-Bruce - **Wendy Huys** & **Carrie Ng**, Bruce Power  WiN-Durham – **Lisa Marshall**, Ontario Power Generation  WiN-Eastern Ontario – **Anne Giardini**, Canadian Nuclear Laboratories  WiN-Golden Horseshoe West – **Katherine Ward**, SNC-Lavalin  WiN-New Brunswick – **Gail Clark** & **Michelle Hawkes**, NB Power  WiM/WiN-Saskatchewan – **Anne Gent**, Cameco Corporation |
| Number of members | 1,420 |
| Chapter accepted by WiN Global | 2004 |
| Nuclear power infrastructure | * 19 CANDU Reactors at 4 facilities: Bruce Power (8 units) Ontario Power Generation (OPG – Darlington 4 units & Pickering 6 units), Point Lepreau (1 unit) NOTE: Gentilly-2 is subject to decommissioning and in safe storage now * 7 Research reactors: (2 @ Canadian Nuclear Laboratories (CNL - formerly AECL), 1 each @ McMaster University, Ecole Polytechnique, Royal Military College, University of Alberta, University of Saskatchewan * 5 active uranium operations are currently in Saskatchewan: * Key Lake operation – uranium mill (formerly a mine) – Cameco * McArthur River operation – uranium mine – Cameco * Rabbit Lake operation – uranium mine and mill – Cameco * Cigar Lake operation – uranium mine – Cameco * McClean Lake – Uranium mill (formerly a mine as well) - AREVA |

|  |  |
| --- | --- |
| Nuclear medical applications | * Canadian Nuclear Laboratories and McMaster University are producing reactor-based isotopes (incl. CNL producing Moly-99) * TRIUMF is producing cyclotron-based isotopes * A number of hospitals in major centres around the country producing their own PET isotopes * A number of accelerator-based isotope processes currently in development in the government-funded initiative to replace domestic supply of Moly-99 * Nordion (Canada) Inc. is a leading provider of gamma technologies and the production of radioisotopes for medical and industrial applications |
| Waste management philosophy | * The Nuclear Waste Management Organization (NWMO) was established in 2002 in accordance with the Nuclear Fuel Waste Act (NFWA) to assume responsibility for the long-term management of Canada’s used nuclear fuel. * Long-term storage of used fuel – Adaptive Phased Management approach chosen by Government in 2007 – currently seeking a willing host community – 21 communities have expressed interest * Interim management of used fuel – safely managed in licensed interim storage facilities at generating stations. * Low & Intermediate Waste - Ontario Power Generation is in the regulatory approval phase for a deep geologic repository * Decommissioning and waste management projects under CNL’s Nuclear Legacy Liabilities Program and the Port Hope Area Initiative |
| Research | * Canadian Nuclear Laboratories - broad spectrum nuclear R&D lab supporting federal science and technology priorities in four program areas: health, energy, safety & security, and environment * SNC Nuclear (Candu Energy) - advanced CANDU fuel cycle development, including thorium and recycled Uranium fuel cycles. * Various academic nuclear research facilities at the universities * There are a series of SMR technologies going through design and prelicensing right now, plus advancements with Fusion Reactors |
| Post-Fukushima | All reactors have undergone post-Fukushima safety assessments and deemed to be safe for operation, with some improvements being made to emergency planning, back up power supplies, etc. |