

CACEE – CSA SDO Update

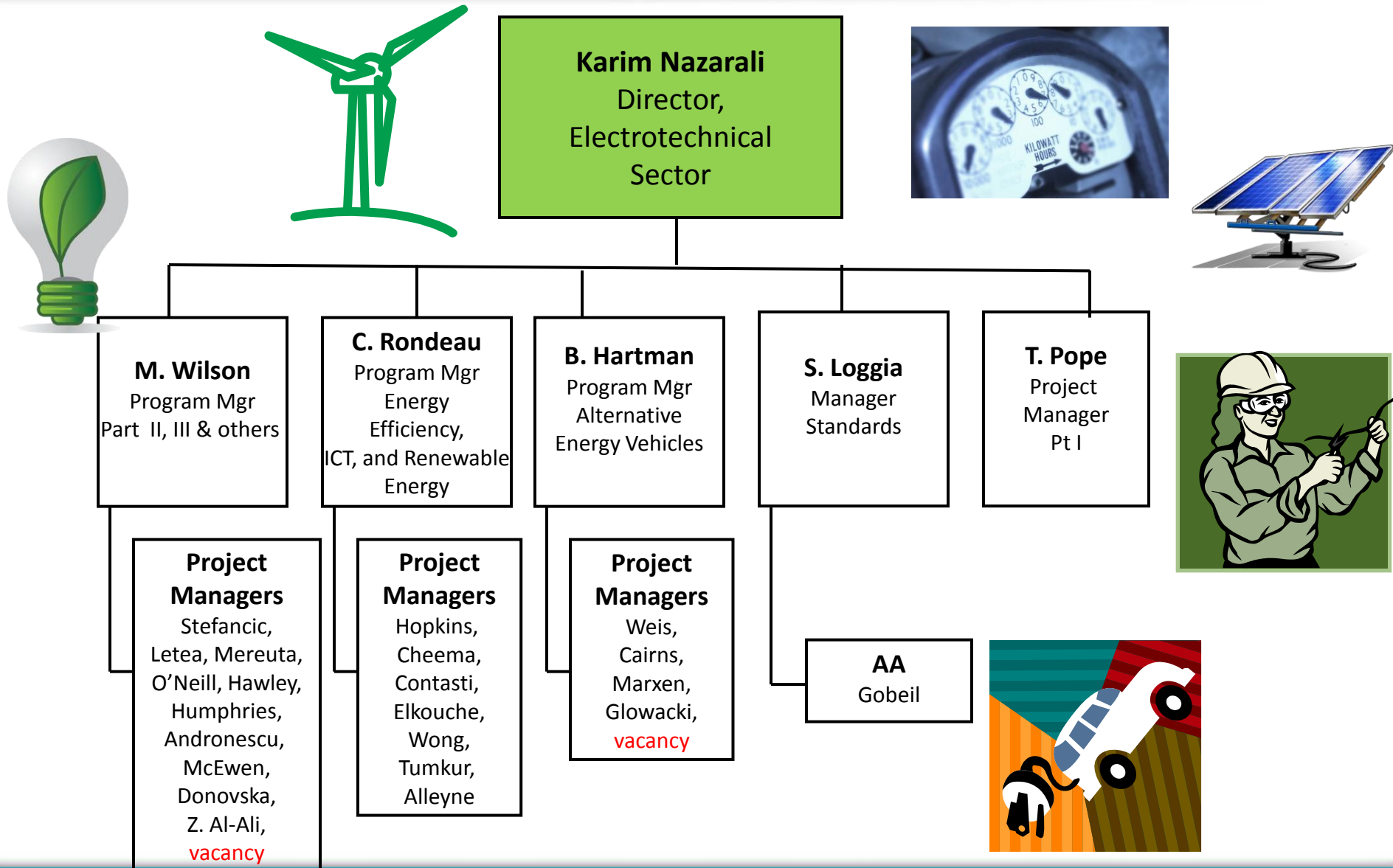
**Niagara Falls, Ontario
Canada**

June 16, 2015



**CSA
Group**

Electrotechnical STRUCTURE Update



| Standard Number | Standard Name |
|-----------------|--|
| C813.1 | PERFORMANCE TEST METHOD FOR UNINTERRUPTIBLE POWER SUPPLIES |
| C872 | ENERGY EFFICIENCY OF SMALL NETWORK EQUIPMENT |
| C373 | ENERGY PERFORMANCE AND WATER CONSUMPTION OF HOUSEHOLD DISHWASHERS |
| C654 | FLUORESCENT LAMP BALLAST EFFICIENCY MEASUREMENTS |
| C877 | ENERGY PERFORMANCE OF PORTABLE ELECTRIC SIGNS |
| C880 | ENERGY PERFORMANCE OF STATIONARY ELECTRIC SIGNS |
| C300 | ENERGY PERFORMANCE AND CAPACITY OF HOUSEHOLD REFRIGERATORS, REFRIGERATOR-FREEZERS, AND WINE CHILLERS |

CSA Group Standards – Energy Efficiency Planned Publications FY15/16



| Standard Number | Standard Name |
|-----------------|---|
| C391 | Synchronous Machines |
| C381.1 | Test Method for Calculating the Energy Efficiency of Single Voltage External AC-DC and AC-AC Power Supplies |
| C448 | Design and Installation of Ground Source Heat Pump Systems for Commercial and Residential Buildings |
| X-05 | Energy Savings Calculation Methodology (adaptive Controls) – Street Lighting (Express Document) |
| C873 | Building Energy Estimation Methodology |
| C802.5 | Efficiency and Harmonics in Dry-Type Transformers |
| C361 | Clothes Dryer |
| C749 | Performance of Dehumidifiers |
| C802.3 | Maximum Losses for Power Transformers |
| C388 | Energy Performance of Household Microwave Ovens |
| C863 | Energy Efficiency of High-Intensity Discharge (HID) and Low-Pressure Sodium (LPS) Lamp Ballasts |
| C742 | Performance of Automatic Ice-Makers and Ice Storage Bins |
| C657 | Commercial Refrigerated Display Merchandisers Display and Storage Cabinets |

CSA Group Standards – Other Energy Efficiency Active Projects



| Standard Number | Standard Name |
|-----------------|---|
| C873 | Performance of Refrigeration Compressors |
| C837 | Monitoring and Energy Performance Measurements of Compressed Air Systems |
| C500 | Energy Efficiency Performance (Benchmark Efficiency Factor) of Industrial Refrigeration Systems |
| C812 | Test method for determining the energy efficiency of large battery charger systems equal to or greater than 2kW |
| C.5XX | Energy Efficiency Performance (Benchmark Energy Factor – BEF) for Gas Compressor Systems |
| C.5XX | Energy Efficiency Performance (Benchmark Energy Factors - BEF) of Slurry Pump Cyclones |
| C746 | Performance Standard for Rating Large and Single Packaged Vertical Air Conditioners and Heat Pumps |
| C510 | Energy Efficiency Performance (Benchmark Energy Factors - BEF) of data communication centres (data centres) |
| C.XXX | Energy Performance of Computers and Servers |

CSA Group Standards – Other Energy Efficiency Active Projects (continued)



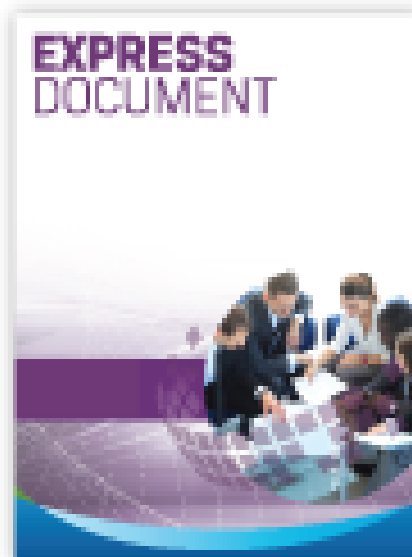
| Standard Number | Standard Name |
|-----------------|---|
| C386 | Energy Performance of Computing Appliances |
| C864 | Performance of HID lamps |
| C747 | Small Motors |
| C.XXX | BEEST (Building Energy Estimation Software Tool) |
| P.3 | Energy Efficiency of Oil-Fired Storage Tank Water Heaters |
| P.4 | Fireplaces |
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| Standard Number | Standard Name |
|----------------------------|--|
| CAN/CSA-IEC 61400-11:13 | Wind turbines - Part 11: Acoustic noise measurement techniques |
| CAN/CSA- C61400-1:14 | Wind turbines - Part 1: Design requirements |
| C22.2 NO. 272-14 | Wind turbine electrical systems |
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CSA Group Standards – Renewable Energy Planned Publications FY15/16



| Standard Number | Standard Name |
|-----------------|--|
| C62817 | Photovoltaic systems - Design qualification of solar trackers |
| C448 | Design and installation of earth energy systems (Bi-national standard) |
| EXP-03 | Geological and geophysical site characterization for marine renewable energy development and environmental assessment (Express Document, published). |
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CSA Group Standards – Other Renewable Energy Active Projects



| Standard Number | Standard Name |
|-----------------|---|
| C62108 | Concentrator photovoltaic (CPV) modules and assemblies - Design qualification and type approval |
| C22.2 No. 321 | Solar PV Tracker Safety Standard |
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Thank You! / Merci Beaucoup!

Contact:

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