

Electric Utility

- Annual Energy sales of 126 million kWh's
- Generation plant capacity of 12.5 MW's
- Wind Farm capacity of 12 MW's
- 111 circuit kilometers to carry electricity to consumers.
- Staff of 21 in Operations.

What We Do in Summerside

Electric Utility – 6950 customers

- Purchase of Electricity
- Sale of Electricity
- Production of Electricity
- Transmission of Electricity
- Distribution of Electricity

Purchasing of Electricity

- Every Hour of Every Day (8760 hours/Yr)
- Forecasting load and wind production
- West Cape 9 MW's of wind - 22%
- Summerside Wind Farm
 12 MW's of wind 24%
- NB Power Everything left over after wind – 54%

Summerside Import

February 22nd Hour	Original Schedule	Update 23:18	Update 0:18	Update 1:18	Update 2:18	Update 3:18	Update 4:18	Update 5:18	Update 6:18	Update 7:18	Update 8:18	Update 9:18	Update 10:18	Februar Ho
00:00 - 01:00	13	0												00:00 -
01:00 - 02:00	12	12	0											01:00 -
02:00 - 03:00	12	12	12	0										02:00 -
03:00 - 04:00	12	12	12	12	0									03:00 -
04:00 - 05:00	12	12	12	12	12	0								04:00 -
05:00 - 06:00	13	13	13	13	13	13	0							05:00 -
06:00 - 07:00	15	15	15	15	15	15	15	0						06:00 -
07:00 - 08:00	17	17	17	17	17	17	17	17	0					07:00 -
08:00 - 09:00	19	19	19	19	19	19	19	19	19	0				08:00 -
09:00 - 10:00	19	19	19	19	19	19	19	19	19	19	0			09:00 -
10:00 - 11:00	20	20	20	20	20	20	20	20	20	20	20	0		10:00 -
11:00 - 12:00	20	20	20	20	20	20	20	20	20	20	20	20	0	11:00 -
12:00 - 13:00	19	19	19	19	19	19	19	19	19	19	19	19	19	12:00 -

Ventus

February 22nd Hour	Original Schedule	Update 0:36	Update 1:36	Update 2:36	Update 3:36	Update 4:16	Update 5:16	Update 6:16	Update 7:16	Update 8:36	Update 9:36	Februa H
00:00 - 01:00	8	8	8	8	8	8	8	8	8	8	8	00:00
01:00 - 02:00	8	8	8	8	8	8	8	8	8	8	8	01:00
02:00 - 03:00	8	9	9	9	9	9	9	9	9	9	9	02:00
03:00 - 04:00	8	9	9	9	9	9	9	9	9	9	9	03:00
04:00 - 05:00	8	9	9	9	9	9	9	9	9	9	9	04:00
05:00 - 06:00	7	9	9	9	9	9	9	9	9	9	9	05:00
06:00 - 07:00	7	7	9	9	9	9	9	9	9	9	9	06:00
07:00 - 08:00	7	7	7	9	9	9	9	9	9	9	9	07:00
08:00 - 09:00	7	7	7	7	9	9	9	8	8	8	8	08:00
09:00 - 10:00	7	7	7	7	7	9	9	8	8	8	8	09:00
10:00 - 11:00	7	7	7	7	7	7	9	8	8	8	8	10:00
11:00 - 12:00	7	7	7	7	7	7	7	8	8	8	8	11:00
12:00 - 13:00	7	7	7	7	7	7	7	7	8	8	8	12:00
13:00 - 14:00	7	7	7	7	7	7	7	7	7	8	8	13:00
14:00 - 15:00	7	7	7	7	7	7	7	7	7	7	8	14:00



- Excess wind, Excess Capacity
 - Export wind for sale
 - When we can, we use excess in thermal storage units (Heat for Less Now)

Summerside Export

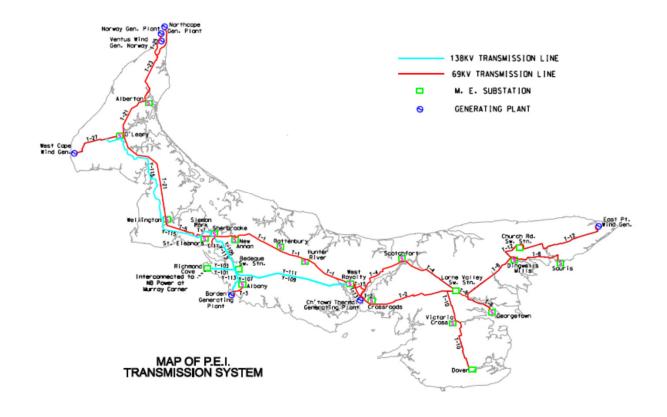
February 22nd Hour	Original Schedule	Update 22:38	Update 23:38	Update 0:38	Update 1:38	Update 2:38	Update 3:38	Update 4:38	Update 5:38	Update 6:38	Update 7:38	Update 8:38	Update 9:38	Februa H
00:00 - 01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	00:00
01:00 - 02:00	0	0	4	4	4	4	4	4	4	4	4	4	4	01:00
02:00 - 03:00	0	0		8	8	8	8	8	8	8	8	8	8	02:00
03:00 - 04:00	0	0		0	9	9	9	9	9	9	9	9	9	03:00
04:00 - 05:00	0	0	0	0	0	9	9	9	9	9	9	9	9	04:00
05:00 - 06:00	0	0		0		0	5	5	5	5	5	5	5	05:00
06:00 - 07:00	0	0		0		0		2	2	2	2	2	2	06:00
07:00 - 08:00	0	0	0	0	0	0	0	0	1	1	1	1	1	07:00
08:00 - 09:00	0	0		0		0		0		2	2	2	2	08:00
09:00 - 10:00	0	0	0	0	0	0	0	0	0	0	2	2	2	09:00
10:00 - 11:00	0	0	0	0	0	0	0	0	0	0	0	4	4	10:00
11:00 - 12:00	0	0	0	0	0	0	0	0	0	0	0	0	3	11:00

Production of Electricity

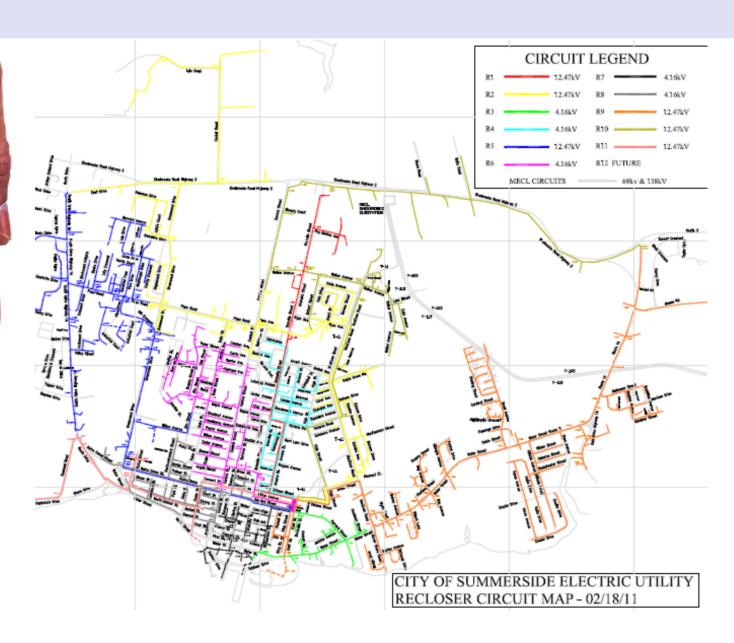
- 13.5 MW's of Internal Comb. Generation
 - Consists of 6 units ranging from 4.2 to 1.1 MW's
- 12 MW's of Wind Energy
 - 4, V90 Mach8 Vestas Units
 - » 3 MW's each
 - » 24% of Electrical needs

Transmission of Electricity

- Path 1 West Cape to Summerside
- Path 2 Murray Corner to Summerside

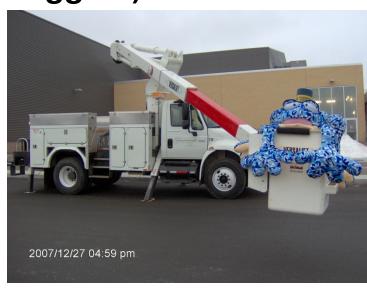


Distribution of Electricity



Electric Utility Equipment

- 3 Line Trucks (1 Hot line, 2 Diggers)
- 2 Electrician Work Vans
- 3, ½ ton trucks
- 1 Meter reading car
- 1 General Purpose car
- 1 Pole Trailer
- 1 General Purpose Trailer
- 1 Reel Trailer



Operations Staff (Electric, SCN)

Electric Utility (21)

- 3 Supervisors
- 2 Lead Hand PLT's
- **0 Journeyman PLT**
- 3 Apprentice PLT's
- 3 Electricians
- **3 Plant Operators**
- 1 Purchaser
- 2 Meter Readers
- 1 Municipal Office Clerk
- 2 Flaggers
- 1 Municipal Services Coordinator





Summary – Electric Utility

- Provides normal and emergency services 24 hours per day, 365 days per year
 - After hours Dispatched through our police department.
 - Pager system on all off-hours, weekends, and designated holidays.
- In summary, the Electric Department provides regular and emergency maintenance in the following areas:
 - Electric Purchasing, Sale and Delivery of Energy
 - Electric Generation Plants, Distribution Lines, Services and metering.
 - Electric Meter reading.
 - Electric maintenance of all City owned buildings, street lighting, etc..
 - All corporate computer systems and Internet services for Route 2 (SCN).
 - Assistance and backup to all other City Departments as required and when time permits.