



City of Summerside Summerside Electric

Operations Overview



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.

A vertical image on the left side of the slide shows a person's hand pointing with their index finger to a blue-tinted technical drawing or blueprint. The drawing contains various lines, circles, and text, typical of an engineering or utility plan.

What We Do in Summerside

Electric Utility – 6950 customers

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

Selling of Electricity

- 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	0	8	8	8	8	8	8	8	8	8	8	02:00
03:00 - 04:00	0	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	0	0	5	5	5	5	5	5	5	05:00
06:00 - 07:00	0	0	0	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	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

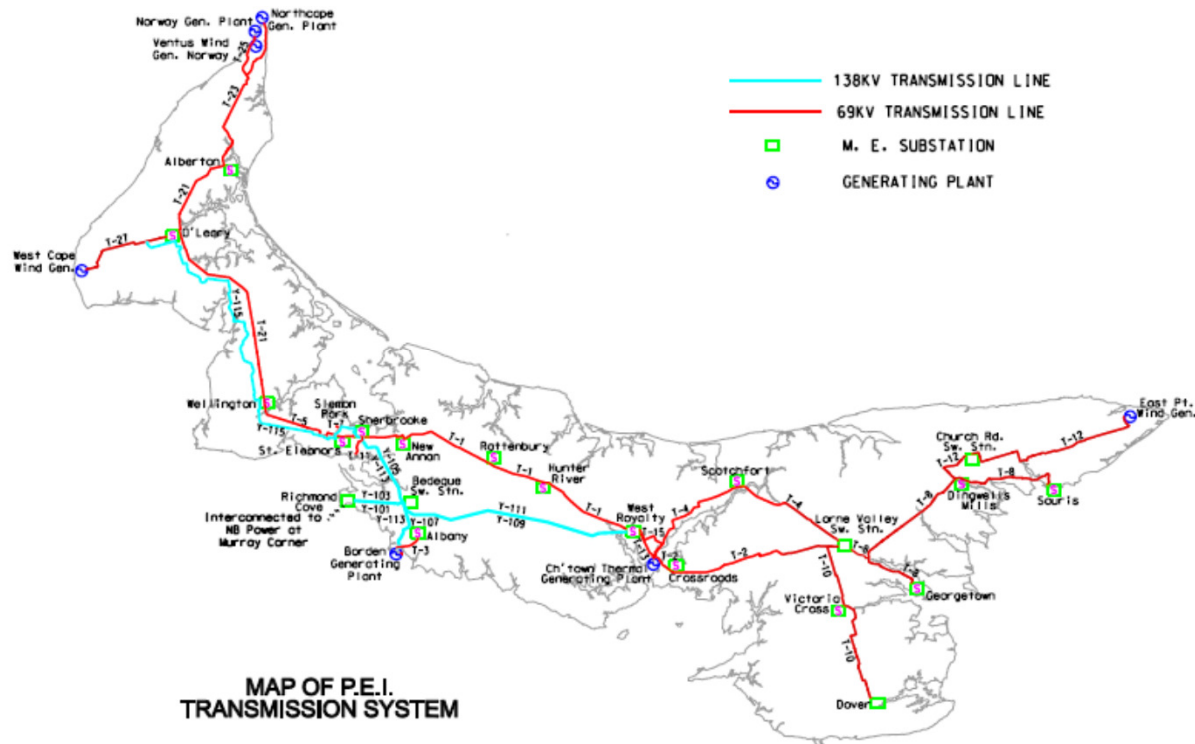
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Production of Electricity

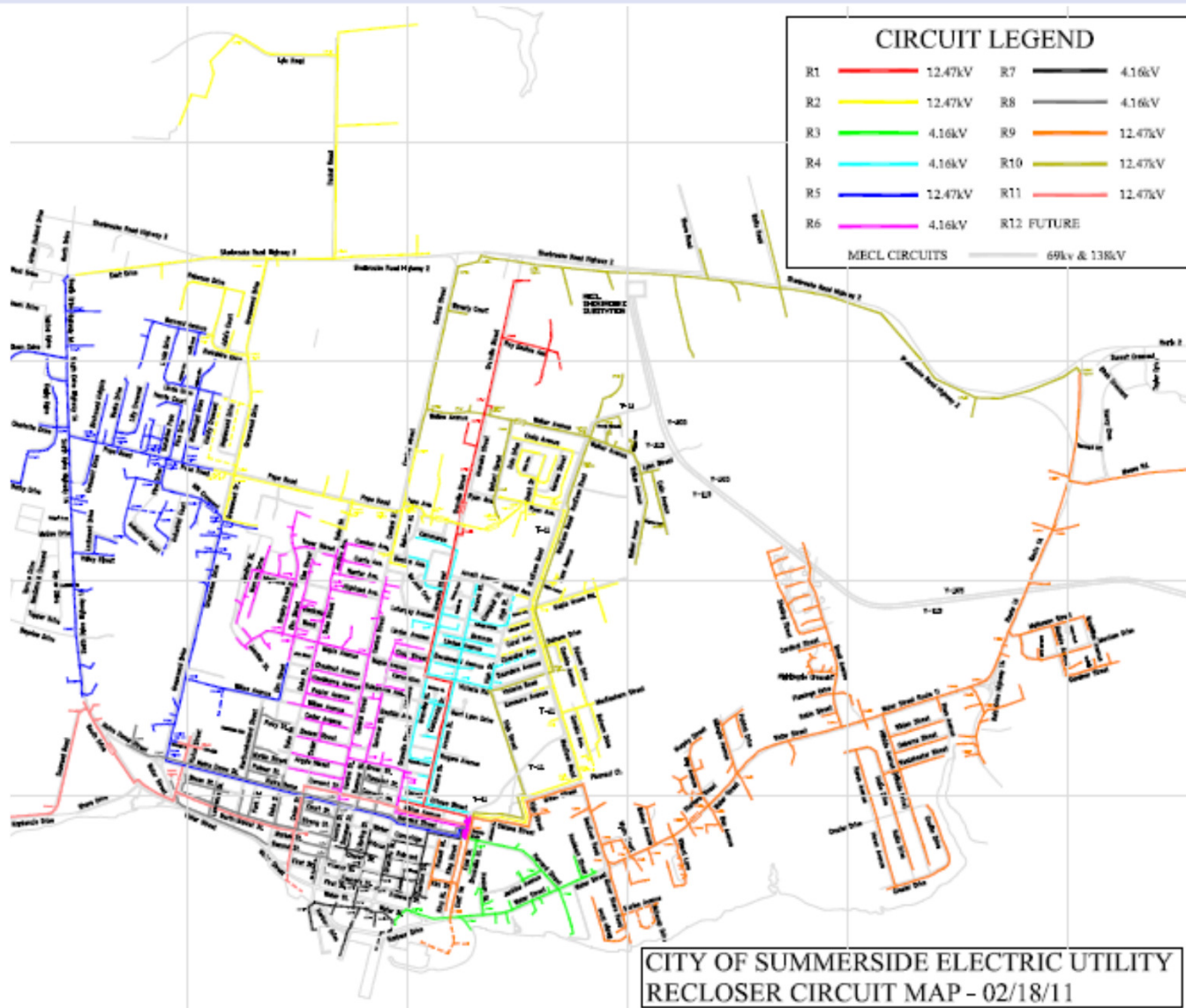
- 13.5 MW's of Internal Comb. Generation
 - Consists of 6 units ranging from 4.2 to 1.1 MW's
- 12 MW's of Wind Energy
 - 4, V90 Mach8 Vestas Units
 - » 3 MW's each
 - » 24% of Electrical needs

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



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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.