

NOVA SCOTIA UTILITY AND REVIEW BOARD

IN THE MATTER OF THE PUBLIC UTILITIES ACT

- and -

IN THE MATTER OF AN APPLICATION by the **TOWN OF ANTIGONISH**, on behalf of its **ELECTRIC UTILITY**, for approval of amendments to its Schedule of Rates for Electric Supply and Services, to allow it to pass-through to its customers Fuel Adjustment Mechanism adjustments approved by the Board for Nova Scotia Power Inc.

BEFORE:  Peter W. Gurnham, Q.C., Chair

ORDER

WHEREAS the Town of Antigonish, on behalf of its Electric Utility (Utility), made application on October 10, 2017, to the Nova Scotia Utility and Review Board (Board) for approval of amendments to its Schedule of Rates for Electric Supply and Services, to allow the Utility to pass-through to its customers recent changes approved by the Board as a consequence of Board Orders related to Nova Scotia Power Inc. (NSPI) Fuel Adjustment Mechanism adjustments for 2018 and 2019;

AND WHEREAS following a public hearing on December 16, 2005, the Board, by Order dated January 17, 2006, approved a formula to permit the Utility to pass-through to its customers the increase in cost of electric service as a consequence of an increase in NSPI rates;

AND WHEREAS on February 22, 2010, the Board approved a formula to recover Demand Side Management and Fuel Adjustment Mechanism adjustments;

AND WHEREAS on July 30, 2014, the Board approved a revised pass-through formula to accommodate matching of the Antigonish Large General Class rates with NSPI's Large General Rates after 15 calendar days' notice;

AND WHEREAS the Utility requested amendments to the Large General Class rates, submitted with evidence that notice was served in accordance with Schedule "A" requirements in relation to the requested change to the Large General Class rates.

AND WHEREAS the Utility has proposed to amend its rates using the formulas approved by the Board.

IT IS HEREBY ORDERED that the Schedules of Rates for Electric Supply and Service, attached hereto as Schedules "A" and "B" respectively, be approved for services rendered on and after January 1, 2018, and January 1, 2019.

DATED at Halifax, Nova Scotia, this 13th day of October, 2017.


Clerk of the Board

SCHEDULE "A"

TOWN OF ANTIGONISH ELECTRIC UTILITY

SCHEDULE OF RATES FOR ELECTRIC SUPPLY & SERVICES

(For services rendered on and after January 1, 2018)

RATES

The rates requested below are the rates for electric supply and services when payment is made within 30 days from the date rendered as shown on the bill. An interest charge of 1.5% will apply to all overdue accounts after thirty (30) days.

"Nova Scotia Power Inc. (NSPI) Municipal Rate Class Increases"

In order to recover increased costs due to NSPI increases and upon notice by the Council of the Town Antigonish to the Nova Scotia Utility and Review Board, (the Board), the Board may amend the Rates for Domestic service, Small General, General, and Street and Yard Lighting based on the following formula, without the necessity of a public hearing.

1) $A - B = C$

2) $C \div D = E$

- A = Estimated change in power purchase costs;
- B = Estimated change in revenue generated from Large General Class as a result of this action;
- C = Estimated change in power costs attributed to rate classes other than Large General customers.
- D = Estimated revenue from rate classes other than Large General customers;
- E = % change required to Town of Antigonish Electric rates to recover increased power purchase costs.

(Estimates to be based on most recently completed 12 month period)

The Town of Antigonish Electric Utility's Large General Service Demand and Energy Rates are to equal those of NSPI's Large General Rate Class, by virtue of Board Order dated October 30, 2008 and further Board Order dated June 10, 2014.

In the event of a change to NSPI's Large General Rate, within thirty (30) calendar days thereof the Town of Antigonish Electric Utility will apply to the Board for a corresponding amendment to the Town of Antigonish Electric Utility's Large General Service Demand

and/or Energy Rates, as provided for herein, and the Board shall amend the Town of Antigonish Electric Utility's Demand and/or Energy Rates for the Large General Service as necessary to equal those of NSPI's Large General Rate Class. Any application or request for an amendment to Town of Antigonish Electric Utility's Large General Service Demand and Energy Rates is referred to an "Amendment Application". An Amendment Application may only be made upon the Town of Antigonish Electric Utility providing its Large General Rate Class customers with fifteen (15) calendar days advance written notice of the Town of Antigonish Electric Utility's intention to file an Amendment Application with the Board and to seek such amendment, before filing, which notice must include the full details of any amendments and specific rates sought on the Amendment Application. The Board may grant such amendment requested under an Amendment Application without the necessity of a public hearing, unless a hearing is requested by a Large General Service customer of the Antigonish Electric Utility, in which case a public hearing relating to the Large General Class only shall then proceed on at least fifteen (15) calendar days advance written notice specifically to the customer.

The Town of Antigonish Electric Utility's Large General Service Demand and Energy Rates will be applied to the quantities determined by actual Large General Service meter readings, without adjustment for system losses.

Nova Scotia Power Inc. (NSPI) Municipal Rate Class Adjustments due to Fuel Adjustment Mechanism (“FAM”) (AEU FAM)

In order to recover FAM adjustments due to NSPI approved FAM adjustments and upon notice by the Council of the Town of Antigonish to the Nova Scotia Utility and Review Board (the “Board”) the Board may amend the kWh rates for Domestic Service, General, and Street and Yard Lighting based on the following, without the necessity of a public hearing.

For Domestic Service, General, and Domestic Service Time-of-Day Rate, the following formula will apply to energy purchased from NSPI only and resold to municipal customers:

$$A \times B = C$$

A = NSPI FAM Rate to Municipal Class (cents per kWh)

B = 4% system losses

C = Adjustment to Municipal Electric Rates as a result of FAM Charges (cents per kWh).

For Street and Yard Lighting Categories the following formula will apply:

$$D \times E = F$$

D = Adjustment to Municipal electric Rates as a result of FAM Charges (cents per kWh)

E = Annual kWh consumption based on NSPI rates or 4,000 hr.

F = Adjustment to annual charge per street light as a result of FAM Charges.

For the Large General customers, the Town of Antigonish Electric Utility’s FAM Rate applicable its Large General customers, shall be equal to the NSPI FAM Rate to NSPI Large General customers.

In the event of a change to the NSPI FAM Rate to NSPI Large General customers, within thirty (30) calendar days thereof the Town of Antigonish Electric Utility will apply to the Board for a corresponding amendment to the Town of Antigonish Electric Utility’s FAM Rate applicable its Large General customers, as provided for herein, and the Board shall amend the Town of Antigonish Electric Utility’s FAM Rate applicable its Large General customers to equal the NSPI FAM Rate to NSPI Large General customers. Any application or request for an amendment to the Town of Antigonish Electric Utility’s FAM Rate applicable its Large General customers is referred to as a “FAM Amendment Application”. A FAM Amendment Application may only be made upon the Town of Antigonish Electric Utility providing its Large General Rate Class customers with fifteen (15) calendar days advance written notice of the Town of Antigonish Electric Utility’s

intention to file a FAM Amendment Application with the Board and to seek such amendment, before filing, which notice must include the full details of any amendment and the specific rate sought on the FAM Amendment Application. The Board may grant such amendment requested under a FAM Amendment Application without the necessity of a public hearing, unless a hearing is requested by a Large General Service customer of the Antigonish Electric Utility, in which case a public hearing relating to the Large General Class only shall then proceed on at least fifteen (15) calendar days advance written notice specifically to the customer making the hearing request.

The Town of Antigonish Electric Utility's FAM Rate applicable to its Large General customers will be applied to the quantities determined by actual Large General Service meter readings, without adjustment for system losses.

Allocation of NSPI DSM charges to classes based on equivalent Efficiency Nova Scotia charges to equivalent NSPI customer classes.

In order to have charges for Efficiency Nova Scotia programs more equitably levied to classes using those programs, an allocation, based on rates charged to equivalent NSPI customer classes, will be made and the rates charged to each class for Efficiency Nova Scotia charges will be amended without the necessity of a public hearing.

The allocation of Efficiency Nova Scotia Charges will involve the Domestic, General, Large General and Street lighting Classes. The rates to be charged to each of these classes will be the equivalent NSPI DSM rates for those classes, plus or minus an "Adjustment".

Adjustment

A = the total of kwh sales of all customer classes times the NSPI DSM rate charged to Municipal Electric Utilities times 104%

B = the total of kwh sales of all customer classes times the NSPI DSM rates charged to NSPI equivalent customer classes.

$C = A - B$

D = Adjustment Percentage, calculated as C/B .

E = Adjustment, calculated as D times the equivalent NSPI DSM rate for the equivalent class.

DOMESTIC SERVICE

<u>Base Charge:</u>	\$14.72 per month.
<u>Energy Rates:</u>	\$0.12294 per kilowatt hour for all consumption.
<u>Minimum Bill:</u>	The Base Charge.
<u>Efficiency Nova Scotia Charges</u>	\$0.00 per kilowatt hour for all consumption.

GENERAL SERVICES

Up to 3 kilowatts connected load:

<u>Base Rate:</u>	\$8.50 per month per kilowatt of connected load.
<u>Energy Rates:</u>	\$0.15777 per kilowatt hour for the first 100 kilowatt hours per month per kilowatt of connected load.
	\$0.09888 per kilowatt hour for all additional consumption.
<u>Base Rate:</u>	\$8.66 per kw of maximum demand.
<u>Minimum Bill:</u>	The greater of the Base Rate or \$10.43.

Above 3 kilowatts connected load:

<u>Base Rate:</u>	\$8.66 per month per kilowatt of maximum demand.
<u>Energy Rates:</u>	\$0.15777 per kilowatt hour for the first 100 kilowatt hours per month per kilowatt of maximum demand.
	\$0.09888 per kilowatt hour for all additional consumption.
<u>Base Rate:</u>	\$8.66 per kilowatt of maximum demand.
<u>Minimum Bill:</u>	The greater of the Base Rate or \$10.43.
<u>Efficiency Nova Scotia Charges</u>	\$0.00 per kilowatt hour for all consumption.

LARGE GENERAL SERVICE

Demand and Energy Rates are equal to NSPI Large General Class Rates

2,000 kVA or 1,800 kW and over:

Demand Rate: \$13.345 per month per kVA of maximum demand of the current month or the maximum actual demand of the previous December, January, or February, occurring in the previous eleven months.

Energy Rate: \$0.09079 per kilowatt hour (plus FAM).

Transformation charges: 1.75% times Energy charges only (including FAM).

DSM Rate: \$0.00 per kilowatt hour for all consumption.

DOMESTIC SERVICE TIME-OF-DAY RATE (OPTIONAL)

BASE CHARGE

\$20.55 per month

ENERGY CHARGE

December, January, and February

7:00 a.m. to 1:00 p.m. \$0.23745 per kilowatt hour

1:00 p.m. to 4:00 p.m. \$0.12294 per kilowatt hour

4:00 p.m. to 10:00 p.m. \$0.23745 per kilowatt-hour

10:00 p.m. to 7:00 a.m. \$0.08583 per kilowatt-hour

The above rates apply weekdays (Monday through Friday inclusive), excluding statutory holidays. For Saturdays, Sundays, and statutory holidays, all consumption will be billed at the rate of 8.583 cents per kilowatt hour.

March to November

7:00 a.m. to 10:00 p.m. \$0.12294 per kilowatt hour

10:00 p.m. to 7:00 a.m. \$0.08583 per kilowatt hour

The above rates apply weekdays (Monday through Friday inclusive), excluding statutory holidays. For Saturdays, Sundays, and statutory holidays, all consumption will be billed at the rate of 8.583 cents per kilowatt hour.

MINIMUM MONTHLY CHARGE

The minimum monthly charge shall be \$20.55.

Efficiency Nova Scotia

Charges

\$0.00 per kilowatt hour for all consumption.

AVAILABILITY

This rate is only available to customers employing Electric thermal Storage (ETS) equipment and electric in-floor radiant (i.e. hydronic) heating systems utilizing timeshifting technology approved by the Utility. ***(Amended by Order dated November 30, 2009).***

STREET LIGHTING

Multiple & Series Lighting 4,000 hours burning (includes DSM)

300 watts incandescent.....	\$198.12 per lamp per year
500 watts incandescent.....	\$378.24 per lamp per year
175 watts Mercury Vapour.....	\$199.04 per lamp per year
250 watts Mercury Vapour.....	\$254.17 per lamp per year
400 watts Mercury Vapour.....	\$373.75 per lamp per year
700 watts Mercury Vapour.....	\$701.39 per lamp per year

2 - 24" Fluorescent tubes - 80 watts....	\$143.60 per year
2 - 48" Fluorescent tubes - 130 watts...	\$265.76 per year
2 - 72" Fluorescent tubes - 250 watts...	\$343.71 per year
2 - 72" Fluorescent tubes - 500 watts...	\$608.27 per year
2 - 48" Fluorescent tubes - 220 watts...	\$272.60 per year

70 watts Sodium.....	\$166.90 per year
100 watts Sodium.....	\$179.05 per year
150 watts Sodium.....	\$220.66 per year
250 watts Sodium.....	\$291.94 per year
400 watts Sodium.....	\$395.99 per year
1,000 watts Metallic Additive.....	\$984.04 per year

LIGHT EMITTING DIODES (LED) (Interim Rates)

55 watt LED	\$ 98.73 per year
88 watt LED	\$131.02 per year

TRAFFIC LIGHTS

69 watts section.....	\$151.76 per year
100 watts section.....	\$217.39 per year
150 watts section.....	\$327.84 per year

TELEPHONE BOOTHS

Each.....	\$128.30 per year
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SCHEDULE "B"

TOWN OF ANTIGONISH ELECTRIC UTILITY

SCHEDULE OF RATES FOR ELECTRIC SUPPLY & SERVICES

(For services rendered on and after January 1, 2019)

RATES

The rates requested below are the rates for electric supply and services when payment is made within 30 days from the date rendered as shown on the bill. An interest charge of 1.5% will apply to all overdue accounts after thirty (30) days.

"Nova Scotia Power Inc. (NSPI) Municipal Rate Class Increases"

In order to recover increased costs due to NSPI increases and upon notice by the Council of the Town Antigonish to the Nova Scotia Utility and Review Board, (the Board), the Board may amend the Rates for Domestic service, Small General, General, and Street and Yard Lighting based on the following formula, without the necessity of a public hearing.

1) $A - B = C$

2) $C \div D = E$

- A = Estimated change in power purchase costs;
- B = Estimated change in revenue generated from Large General Class as a result of this action;
- C = Estimated change in power costs attributed to rate classes other than Large General customers.
- D = Estimated revenue from rate classes other than Large General customers;
- E = % change required to Town of Antigonish Electric rates to recover increased power purchase costs.

(Estimates to be based on most recently completed 12 month period)

The Town of Antigonish Electric Utility's Large General Service Demand and Energy Rates are to equal those of NSPI's Large General Rate Class, by virtue of Board Order dated October 30, 2008 and further Board Order dated June 10, 2014.

In the event of a change to NSPI's Large General Rate, within thirty (30) calendar days thereof the Town of Antigonish Electric Utility will apply to the Board for a corresponding amendment to the Town of Antigonish Electric Utility's Large General Service Demand and/or Energy Rates, as provided for herein, and the Board shall amend the Town of Antigonish Electric Utility's Demand and/or Energy Rates for the Large General Service as necessary to equal those of NSPI's Large General Rate Class. Any application or request for an amendment to Town of Antigonish Electric Utility's Large General Service Demand and Energy Rates is referred to an "Amendment Application". An Amendment Application may only be made upon the Town of Antigonish Electric Utility providing its Large General Rate Class customers with fifteen (15) calendar days advance written notice of the Town of Antigonish Electric Utility's intention to file an Amendment Application with the Board and to seek such amendment, before filing, which notice must include the full details of any amendments and specific rates sought on the Amendment Application. The Board may grant such amendment requested under an Amendment Application without the necessity of a public hearing, unless a hearing is requested by a Large General Service customer of the Antigonish Electric Utility, in which case a public hearing relating to the Large General Class only shall then proceed on at least fifteen (15) calendar days advance written notice specifically to the customer.

The Town of Antigonish Electric Utility's Large General Service Demand and Energy Rates will be applied to the quantities determined by actual Large General Service meter readings, without adjustment for system losses.

Nova Scotia Power Inc. (NSPI) Municipal Rate Class Adjustments due to Fuel Adjustment Mechanism (“FAM”) (AEU FAM)

In order to recover FAM adjustments due to NSPI approved FAM adjustments and upon notice by the Council of the Town of Antigonish to the Nova Scotia Utility and Review Board (the “Board”) the Board may amend the kWh rates for Domestic Service, General, and Street and Yard Lighting based on the following, without the necessity of a public hearing.

For Domestic Service, General, and Domestic Service Time-of-Day Rate, the following formula will apply to energy purchased from NSPI only and resold to municipal customers:

$$A \times B = C$$

A = NSPI FAM Rate to Municipal Class (cents per kWh)

B = 4% system losses

C = Adjustment to Municipal Electric Rates as a result of FAM Charges (cents per kWh).

For Street and Yard Lighting Categories the following formula will apply:

$$D \times E = F$$

D = Adjustment to Municipal electric Rates as a result of FAM Charges (cents per kWh)

E = Annual kWh consumption based on NSPI rates or 4,000 hr.

F = Adjustment to annual charge per street light as a result of FAM Charges.

For the Large General customers, the Town of Antigonish Electric Utility’s FAM Rate applicable its Large General customers, shall be equal to the NSPI FAM Rate to NSPI Large General customers.

In the event of a change to the NSPI FAM Rate to NSPI Large General customers, within thirty (30) calendar days thereof the Town of Antigonish Electric Utility will apply to the Board for a corresponding amendment to the Town of Antigonish Electric Utility’s FAM Rate applicable its Large General customers, as provided for herein, and the Board shall amend the Town of Antigonish Electric Utility’s FAM Rate applicable its Large General customers to equal the NSPI FAM Rate to NSPI Large General customers. Any application or request for an amendment to the Town of Antigonish Electric Utility’s FAM Rate applicable its Large General customers is referred to as a “FAM Amendment Application”. A FAM Amendment Application may only be made upon the Town of Antigonish Electric Utility providing its Large General Rate Class customers with fifteen (15) calendar days advance written notice of the Town of Antigonish Electric Utility’s

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The Town of Antigonish Electric Utility's FAM Rate applicable to its Large General customers will be applied to the quantities determined by actual Large General Service meter readings, without adjustment for system losses.

Allocation of NSPI DSM charges to classes based on equivalent Efficiency Nova Scotia charges to equivalent NSPI customer classes.

In order to have charges for Efficiency Nova Scotia programs more equitably levied to classes using those programs, an allocation, based on rates charged to equivalent NSPI customer classes, will be made and the rates charged to each class for Efficiency Nova Scotia charges will be amended without the necessity of a public hearing.

The allocation of Efficiency Nova Scotia Charges will involve the Domestic, General, Large General and Street lighting Classes. The rates to be charged to each of these classes will be the equivalent NSPI DSM rates for those classes, plus or minus an "Adjustment".

Adjustment

A = the total of kwh sales of all customer classes times the NSPI DSM rate charged to Municipal Electric Utilities times 104%

B = the total of kwh sales of all customer classes times the NSPI DSM rates charged to NSPI equivalent customer classes.

$C = A - B$

D = Adjustment Percentage, calculated as C/B .

E = Adjustment, calculated as D times the equivalent NSPI DSM rate for the equivalent class.

DOMESTIC SERVICE

<u>Base Charge:</u>	\$14.88 per month.
<u>Energy Rates:</u>	\$0.12425 per kilowatt hour for all consumption.
<u>Minimum Bill:</u>	The Base Charge.
<u>Efficiency Nova Scotia Charges</u>	\$0.00 per kilowatt hour for all consumption.

GENERAL SERVICES

Up to 3 kilowatts connected load:

<u>Base Rate:</u>	\$8.59 per month per kilowatt of connected load.
<u>Energy Rates:</u>	\$0.15945 per kilowatt hour for the first 100 kilowatt hours per month per kilowatt of connected load. \$0.09993 per kilowatt hour for all additional consumption.
<u>Base Rate:</u>	\$8.75 per kw of maximum demand.
<u>Minimum Bill:</u>	The greater of the Base Rate or \$10.54.

Above 3 kilowatts connected load:

<u>Base Rate:</u>	\$8.75 per month per kilowatt of maximum demand.
<u>Energy Rates:</u>	\$0.15945 per kilowatt hour for the first 100 kilowatt hours per month per kilowatt of maximum demand. \$0.09993 per kilowatt hour for all additional consumption.
<u>Base Rate:</u>	\$8.75 per kilowatt of maximum demand.
<u>Minimum Bill:</u>	The greater of the Base Rate or \$10.54.
<u>Efficiency Nova Scotia Charges</u>	\$0.00 per kilowatt hour for all consumption.

LARGE GENERAL SERVICE

Demand and Energy Rates are equal to NSPI Large General Class Rates

2,000 kVA or 1,800 kW and over:

Demand Rate: \$13.345 per month per kVA of maximum demand of the current month or the maximum actual demand of the previous December, January, or February, occurring in the previous eleven months.

Energy Rate: \$0.09526 per kilowatt hour (plus FAM).

Transformation charges: 1.75% times Energy charges only (including FAM).

DSM Rate: \$0.00 per kilowatt hour for all consumption.

DOMESTIC SERVICE TIME-OF-DAY RATE (OPTIONAL)

BASE CHARGE

\$20.77 per month

ENERGY CHARGE

December, January, and February

7:00 a.m. to 1:00 p.m. \$0.23998 per kilowatt hour

1:00 p.m. to 4:00 p.m. \$0.12425 per kilowatt hour

4:00 p.m. to 10:00 p.m. \$0.23998 per kilowatt-hour

10:00 p.m. to 7:00 a.m. \$0.08675 per kilowatt-hour

The above rates apply weekdays (Monday through Friday inclusive), excluding statutory holidays. For Saturdays, Sundays, and statutory holidays, all consumption will be billed at the rate of 8.675 cents per kilowatt hour.

March to November

7:00 a.m. to 10:00 p.m. \$0.12425 per kilowatt hour

10:00 p.m. to 7:00 a.m. \$0.08675 per kilowatt hour

The above rates apply weekdays (Monday through Friday inclusive), excluding statutory holidays. For Saturdays, Sundays, and statutory holidays, all consumption will be billed at the rate of 8.675 cents per kilowatt hour.

MINIMUM MONTHLY CHARGE

The minimum monthly charge shall be \$20.77.

Efficiency Nova Scotia

Charges

\$0.00 per kilowatt hour for all consumption.

AVAILABILITY

This rate is only available to customers employing Electric thermal Storage (ETS) equipment and electric in-floor radiant (i.e. hydronic) heating systems utilizing timeshifting technology approved by the Utility. ***(Amended by Order dated November 30, 2009).***

STREET LIGHTING

Multiple & Series Lighting 4,000 hours burning (includes DSM)

300 watts incandescent.....	\$200.23 per lamp per year
500 watts incandescent.....	\$382.27 per lamp per year
175 watts Mercury Vapour.....	\$201.16 per lamp per year
250 watts Mercury Vapour.....	\$256.88 per lamp per year
400 watts Mercury Vapour.....	\$377.74 per lamp per year
700 watts Mercury Vapour.....	\$708.87 per lamp per year

2 - 24" Fluorescent tubes - 80 watts....	\$145.13 per year
2 - 48" Fluorescent tubes - 130 watts...	\$268.59 per year
2 - 72" Fluorescent tubes - 250 watts...	\$347.38 per year
2 - 72" Fluorescent tubes - 500 watts...	\$614.76 per year
2 - 48" Fluorescent tubes - 220 watts...	\$275.51 per year

70 watts Sodium.....	\$168.68 per year
100 watts Sodium.....	\$180.96 per year
150 watts Sodium.....	\$223.01 per year
250 watts Sodium.....	\$295.05 per year
400 watts Sodium.....	\$400.21 per year
1,000 watts Metallic Additive.....	\$994.53 per year

LIGHT EMITTING DIODES (LED) (Interim Rates)

55 watt LED	\$ 99.78 per year
88 watt LED	\$132.42 per year

TRAFFIC LIGHTS

69 watts section.....	\$153.38 per year
100 watts section.....	\$219.71 per year
150 watts section.....	\$331.34 per year

TELEPHONE BOOTHS

Each.....	\$129.67 per year
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