



EPCOR Distribution & Transmission Inc.

2021 System Access Service Rate Update

February 24, 2021

Alberta Utilities Commission

Decision 26256-D01-2021

EPCOR Distribution & Transmission Inc.

2021 System Access Service Rate Update

Proceeding 26256

February 24, 2021

Published by the:

Alberta Utilities Commission

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Contents

1	Decision summary.....	1
2	Introduction and procedural background.....	1
3	Background and details of application	1
4	Commission findings.....	3
5	Order.....	4
	Appendix 1 – Proceeding participants	5
	Appendix 2 – 2021 Transmission SAS tariff.....	6

List of tables

Table 1.	SAS cost-of-service study inputs.....	2
Table 2.	Bill comparison summary for a typical customer (March 2021 to April 2021)	3

1 Decision summary

1. In this decision, the Alberta Utilities Commission approves as filed an application by EPCOR Distribution & Transmission Inc. (EPCOR) for an update to its 2021 system access service (SAS) rates, effective April 1, 2021.

2 Introduction and procedural background

2. On January 20, 2021, EPCOR filed an application with the Commission requesting approval for an update to its 2021 SAS rates effective April 1, 2021.

3. The Commission issued a notice of the application on January 20, 2021, and requested that interested parties submit a statement of intent to participate (SIP) by February 3, 2021. The Commission did not receive any SIPs.

4. The Commission reviewed this filing pursuant to its *notice-only* process, as outlined in Commission Bulletin 2015-09.¹ The record of this proceeding closed on February 3, 2021.²

5. In reaching the determinations set out within this decision, the Commission has considered all relevant materials comprising the record of this proceeding. Accordingly, references in this decision to specific parts of the record are intended to assist the reader in understanding the Commission's reasoning relating to a particular matter and should not be taken as an indication that the Commission did not consider all relevant portions of the record with respect to that matter.

3 Background and details of application

6. EPCOR's SAS rates are designed to recover charges paid by EPCOR to the Alberta Electric System Operator (AESO) for access to the transmission system.

7. On December 17, 2020, the Commission issued Decision 25866-D01-2020,³ approving EPCOR's 2021 SAS rates together with EPCOR's 2021 performance-based regulation rates. On December 18, 2020, the Commission issued Decision 26054-D01-2020,⁴ which reflected the AESO's 2021 Independent System Operator (ISO) tariff update and approved changes to all of

¹ Bulletin 2015-09, Performance standards for processing rate-related applications, March 26, 2015.

² Exhibit 25256-X0011, AUC letter - Close of record.

³ Decision 25866-D01-2020: EPCOR Distribution & Transmission Inc., 2021 Annual Performance-Based Regulation Rate Adjustment, Proceeding 25866, December 17, 2020.

⁴ Decision 26054-D01-2020: Alberta Electric System Operator, 2021 ISO Tariff Update, Proceeding 26054, December 18, 2020.

the AESO demand transmission service (DTS) rates components (i.e., energy, demand and customer charges). In this application, EPCOR requested approval to update its 2021 SAS rates effective April 1, 2021, in order to update its SAS cost-of-service model to align with the changes to the AESO DTS rate components.⁵

8. EPCOR explained that it calculated its proposed updated 2021 SAS rates using the same methodology that was approved for its most recent 2021 SAS rates in Decision 25866-D01-2020. In this application, EPCOR only updated its SAS rates to reflect the most recently approved 2021 AESO DTS costs. The other inputs used in EPCOR's SAS rate calculation are pool price, operating reserve percentages, allocators, point of delivery (POD) and billing determinants, which are unchanged and are the same values approved for 2021 in Decision 25866-D01-2020.⁶

9. EPCOR explained that although the existing quarterly AESO DTS deferral account Rider K application will true up variances between the forecast SAS revenues and forecast DTS costs, it is EPCOR's preference to update the SAS rates. EPCOR considers that an update to its SAS rates offers more precision and better reflects cost causation, since in the quarterly applications, the variances in costs are allocated and collected using an energy charge irrespective of the driver of the variance, which could cause inequalities between customer rate classes.⁷

10. EPCOR's total SAS revenue requirement for the period April 1, 2021, to December 31, 2021, is \$198.66 million, excluding direct connect (DC) customers. DC customers continue to have the AESO transmission charges directly flowed through to each site. The forecast transmission costs attributed to the AESO PODs and DC customers have been calculated based on the AESO's 2021 ISO tariff update and the POD billing determinants for April 1, 2021, to December 31, 2021. EPCOR provided the detailed 2021 SAS cost-of-service model for non-DC customers in Appendix A and for DC customers in Appendix B of the application.⁸

11. EPCOR provided Table 1 below, which shows the SAS cost-of-service study inputs used in the calculation of its 2021 SAS rates. As mentioned above, the only change in the inputs for 2021 from those approved in Decision 25866-D01-2020 is the AESO DTS rates:

Table 1. SAS cost-of-service study inputs⁹

Input	Source
AESO DTS rates	AESO 2021 DTS tariff (Decision 26054-D01-2020)
Pool price	\$55.28 per megawatt hour*
Operating reserve percentage	5.90%*
POD, SAS, DAS [distribution access service] billing determinants	2021 approved billing determinants*

*Approved for 2021 in Decision 25866-D01-2020.

⁵ Exhibit 26256-X0002, application, paragraph 4.

⁶ Exhibit 26256-X0002, application, paragraph 3.

⁷ Exhibit 26256-X0002, application, paragraph 5.

⁸ Exhibit 26256-X0002, application, paragraphs 6-7.

⁹ Exhibit 26256-X0002, application, Table 3.0-1.

12. EPCOR provided a table showing the bill comparison to indicate the impact of updated SAS rates from March 2021 to April 2021 for a typical customer in each of its rate classes, and noted the impact to each rate class is less than 10 per cent:

Table 2. Bill comparison summary for a typical customer (March 2021 to April 2021)¹⁰

Rate class	Change %
Residential	0.9
Small Commercial	1.0
Medium Commercial	0.2
Time of Use	1.2
Time of Use Primary	0.7
Customer Specific	0.5
Customer Specific totalized	1.8
Street Lights	(0.1)
Traffic Lights	0.5
Lane Lights	(0.1)
Security Lights	0.0

4 Commission findings

13. The Commission approves EPCOR's proposal to update its 2021 SAS rates to reflect the changes to the DTS rates approved in the AESO's 2021 ISO tariff update. The Commission agrees with EPCOR that the update provides for more precise rates and better reflects cost causation.

14. The Commission has reviewed EPCOR's calculations of its proposed 2021 SAS rates and finds the calculations to be consistent with past SAS rate applications. The Commission has also reviewed the bill impacts provided by EPCOR in Table 2 above and finds the proposed impacts to be reasonable.

15. The Commission approves EPCOR's 2021 SAS rates effective April 1, 2021, as shown in [Appendix 2](#) of this decision.

¹⁰ Exhibit 26256-X0002, application, Table 4.0-1.

5 Order

16. It is hereby ordered that:

- (1) EPCOR Distribution & Transmission Inc. shall implement the 2021 system access service rates, set out in Appendix 2 of this decision, effective April 1, 2021.

Dated on February 24, 2021.

Alberta Utilities Commission

(original signed by)

Vera Slawinski
Commission Member

Appendix 1 – Proceeding participants

Name of organization (abbreviation) Company name of counsel or representative
EPCOR Distribution & Transmission Inc. (EPCOR)

Alberta Utilities Commission
Commission panel V. Slawinski, Commission Member
Commission staff A. Spurrell

Appendix 2 – 2021 Transmission SAS tariff

[\(return to text\)](#)



Appendix 2 - 2021
Transmission SAS tari

(consists of 24 pages)

DT – Schedule A

Transmission Access Service Tariff

Effective April 1, 2021

Table of Contents

RESIDENTIAL SERVICE.....	1
COMMERCIAL/INDUSTRIAL <50 KVA	2
COMMERCIAL/INDUSTRIAL 50 KVA TO <150 KVA.....	3
COMMERCIAL/INDUSTRIAL 150 KVA TO <5,000 KVA.....	4
PRIMARY COMMERCIAL/INDUSTRIAL 150 KVA TO <5,000 KVA	6
COMMERCIAL/INDUSTRIAL GREATER THAN 5,000 KVA	8
COMMERCIAL/INDUSTRIAL GREATER THAN 5,000 KVA TOTALIZED	10
DIRECT TRANSMISSION-CONNECTED.....	12
GENERATOR INTERCONNECTION.....	13
STREET LIGHTING SERVICE	14
TRAFFIC CONTROL	15
SECURITY LIGHTING SERVICE	16
LANE LIGHTING SERVICE.....	17
TEMPORARY ADJUSTMENT	18
INTERIM ADJUSTMENT	19
SHORT-TERM ADJUSTMENT	20
TABLE 3: EDTI'S 2021 SYSTEM ACCESS SERVICE RATE SCHEDULES.....	21
TABLE 4: EDTI'S 2021 CUSTOMER SPECIFIC LOSS FACTOR AND OPERATING RESERVE PERCENTAGE	22



RESIDENTIAL SERVICE (2021 FINAL RATE)

Price Schedule SAS-R

Effective: April 1, 2021

- For System Access Service for all Points of Service throughout the territory served by the Company.
- For single-phase service at secondary voltage through a single meter.
- For normal use by a single and separate household.
- Not applicable to any commercial or industrial use.

Price

- The charge for service in any one billing day is the Energy Charge, determined for each individual Point of Service.

	Energy Charge (per kWh)
Transmission	SAS-R1* \$0.03610

- The minimum daily charge is the Energy Charge.

Application

- 1) **Price Adjustments** - the following price adjustments (riders) may apply:

Local Access Fees (Rider LAF) – See Note
Temporary Adjustment (Rider G)
Interim Adjustment (Rider J)
Short Term Adjustment (Rider K)

Note: The Local Access Fee (LAF) is a surcharge imposed by the City of Edmonton and is not approved by the Alberta Utilities Commission. The LAF applies to all sites within the City of Edmonton.

* Refer to the values associated with the Cell References in the Attached Table 3.



Commercial/Industrial <50 kVA (2021 FINAL RATE)

Price Schedule SAS-SC

Effective: April 1, 2021

- For System Access Service for all Points of Service that have a normal maximum demand of less than 50 kVA with single or three-phase electric service at secondary voltage, throughout the territory served by the Company. These services will have energy meters or will have energy consumption on an estimated basis. This rate is also applicable to all sites for which no other rate is applicable

Price

- Charges for service in any one billing day shall be the Energy Charge, determined for each individual Point of Service:

	Energy Charge (per kWh)
Transmission	SAS-SC1* \$0.03918

- The minimum daily charge is the Energy Charge.

Application

- Power Factor Correction** - where a Customer's power factor is found to be less than 90%, the Company may require the Customer to install corrective equipment
- Price Adjustments** - the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) – See Note
 - Temporary Adjustment (Rider G)
 - Interim Adjustment (Rider J)
 - Short Term Adjustment (Rider K)

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EPCOR Distribution & Transmission Inc.'s Terms and Conditions for Distribution Access Service and Terms and Conditions for Distribution Service Connections apply to all retailers and customers provided with Distribution Access Services and/or System Access Service by EPCOR Distribution & Transmission Inc. Both sets of Terms and Conditions are available at EPCOR System offices during normal working hours or on the website www.epcor.ca.



Commercial/Industrial 50 kVA to <150 kVA (2021 FINAL RATE)

Price Schedule SAS-MC

Effective: April 1, 2021

- For System Access Service for all Points of Service that have a normal maximum demand of greater than or equal to 50 kVA and less than 150 kVA, with single or three-phase electric service at secondary voltage, throughout the territory served by the Company. These services will have demand meters

Price

- Charges for service in any one billing day shall be the sum of the Demand Charge and Energy Charge, determined for each individual Point of Service:

	Demand Charge (per kVA per Day)	Energy Charge (per kWh)
Transmission	SAS-MC1* \$0.28580	SAS-MC2* \$0.00563

- The billing demand may be estimated or measured and will be the greater of the following:
 - the highest metered demand during the billing period;
 - 90% of the highest metered demand in the twelve month period including and ending with the billing period;
 - the estimated demand;
 - the contract demand;
 - 5 kVA.
- The minimum daily charge is the sum of the Service Charge and the total Demand Charge.

Application

- Power Factor Correction** - where a Customer's power factor is found to be less than 90%, the Company may require the Customer to install corrective equipment
- Price Adjustments** - the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) – See Note
 - Temporary Adjustment (Rider G)
 - Interim Adjustment (Rider J)
 - Short Term Adjustment (Rider K)

Note: The Local Access Fee (LAF) is a surcharge imposed by the City of Edmonton and is not approved by the Alberta Utilities Commission. The LAF applies to all sites within the City of Edmonton.

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Commercial/Industrial 150 kVA to <5,000 kVA Distribution-Connected (2021 FINAL RATE)

Price Schedule SAS-TOU

Effective: April 1, 2021

- For System Access Services, single or three-phase, that have a normal maximum demand of greater than or equal to 150 kVA and less than 5,000 kVA, for all Points of Service throughout the territory served by the Company from the Alberta Interconnected System. This rate is applicable to all sites that are served at the secondary voltage of the transformer, normally with a delivery voltage of below 1,000 volts.
- The Point of Service must be equipped with interval data metering.

Price

- Charges for service in any one billing day shall be the sum of the Energy Charge, Demand Charge, OSS Charge and Operating Reserve Charges, determined for each individual Point of Service:

	Energy Charge (per kWh)	Demand Charge (per kW per Day)	OSS Charge (per kW per Day)	Operating Reserve (% x kWh delivered during each hour x Applicable Pool Price during each hour)
Transmission	SAS-TOU1* \$0.00223	SAS-TOU2* \$0.43466	SAS-TOU3* \$0.00067	SAS-TOU4* 6.05%

- Billing demand** for the Transmission charges shall be the higher of:
 - The highest metered demand during the billing period;
 - 85% of the highest metered demand in the 12-month period including and ending with the billing period;
 - the estimated demand;
 - the Transmission Contract Demand (TCD);
 - 50 kilowatts.

EPCOR Distribution & Transmission Inc.'s Terms and Conditions for Distribution Access Service and Terms and Conditions for Distribution Service Connections apply to all retailers and customers provided with Distribution Access Services and/or System Access Service by EPCOR Distribution & Transmission Inc. Both sets of Terms and Conditions are available at EPCOR System offices during normal working hours or on the website www.epcor.ca.



Commercial/Industrial 150 kVA to <5,000 kVA Distribution Connected (2021 FINAL RATE)

Price Schedule SAS-TOU (Continued)

Effective: April 1, 2021

Application

- 1) **Power Factor Correction** - where a Customer's power factor is found to be less than 90%, the Company may require the Customer to install corrective equipment.
- 2) **Price Adjustments** - the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) – See Note
 - Temporary Adjustment (Rider G)
 - Interim Adjustment (Rider J)
 - Short Term Adjustment (Rider K)

Note: The Local Access Fee (LAF) is a surcharge imposed by the City of Edmonton and is not approved by the Alberta Utilities Commission. The LAF applies to all sites within the City of Edmonton.

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Primary Commercial/Industrial 150 kVA to <5,000 kVA Distribution Connected (2021 FINAL RATE)

Price Schedule SAS-TOUP

Effective: April 1, 2021

- For System Access Service, single or three-phase, that have a normal maximum demand of greater than or equal to 150 kVA and less than 5,000 kVA, for all Points of Service throughout the territory served by the Company from the Alberta Interconnected System. This rate is applicable to all sites that are served at the primary voltage of the transformer, normally with a delivery voltage of over 1,000 volts.
- The Point of Service must be equipped with interval data metering.

Price

- Charges for service in any one billing day shall be the sum of the Energy Charge, Demand Charge, OSS Charge and Operating Reserve Charges, determined for each individual Point of Service:

	Energy Charge (per kWh)	Demand Charge (per kW per Day)	OSS Charge (per kW per Day)	Operating Reserve (% x kWh delivered during each hour x Applicable Pool Price during each hour)
Transmission	SAS-TOUP1* \$0.00221	SAS-TOUP2* \$0.39466	SAS-TOUP3* \$0.00061	SAS-TOUP4* 5.98%

- Billing demand** for the System charges shall be the higher of:
 - The highest metered demand during the billing period;
 - 85% of the highest metered demand in the 12-month period including and ending with the billing period;
 - the estimated demand;
 - the Transmission Contract Demand (TCD);
 - 50 kilowatts.

EPCOR Distribution & Transmission Inc.'s Terms and Conditions for Distribution Access Service and Terms and Conditions for Distribution Service Connections apply to all retailers and customers provided with Distribution Access Services and/or System Access Service by EPCOR Distribution & Transmission Inc. Both sets of Terms and Conditions are available at EPCOR System offices during normal working hours or on the website www.epcor.ca.



Primary Commercial/Industrial 150 kVA to <5,000 kVA Distribution Connected (2021 FINAL RATE)

Price Schedule SAS-TOUP (Continued)

Effective: April 1, 2021

Application

- 1) **Power Factor Correction** - where a Customer's power factor is found to be less than 90%, the Company may require the Customer to install corrective equipment
- 2) **Price Adjustments** - the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) - Note
 - Temporary Adjustment (Rider G)
 - Interim Adjustment (Rider J)
 - Short Term Adjustment (Rider K)

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Commercial/Industrial Greater than 5,000 kVA Distribution-Connected (2021 FINAL RATE)

Price Schedule SAS-CS

Effective: April 1, 2021

- For System Access Service, single or three-phase, that have a maximum demand of greater than or equal to 5,000 kVA in the previous year, for all Points of Service throughout the territory served by the Company from the Alberta Interconnected System. This rate is also applicable to new sites that forecast to have a normal maximum demand of greater than or equal to 5,000 kVA. The Point of Service must be equipped with interval data metering.
- Each new site under this rate is required to enter into an Electric Service Agreement with EPCOR SYSTEM.

Price

- Charges for service in any one billing day shall be the sum of the Energy Charge, Demand Charge, OSS Charge and Operating Reserve Charges, determined for each individual Point of Service:

	Energy Charge (per kWh)	Demand Charge (per kW per Day)	OSS Charge (per kW per Day)	Operating Reserve (% x kWh delivered during each hour x Applicable Pool Price during each hour)
Transmission	SAS-CS1* \$0.00219	SAS-CS2* \$0.34771	SAS-CS3* \$0.00054	SAS-CS4* 5.92%

- Billing demand** for the System charges shall be the higher of:
 - The highest metered demand during the billing period;
 - 90% of the highest metered demand in the 24-month period including and ending with the billing period;
 - the estimated demand;
 - the Transmission Contract Demand (TCD);
 - 50 kilowatts.

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Commercial/Industrial Greater than 5,000 kVA Distribution-Connected (2021 FINAL RATE)

Price Schedule SAS-CS (Continued)

Application

- 1) **Power Factor Correction** - where a Customer's power factor is found to be less than 90%, the Company may require the Customer to install corrective equipment
- 2) **Price Adjustments** - the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) – See Note
 - Temporary Adjustment (Rider G)
 - Interim Adjustment (Rider J)
 - Short Term Adjustment (Rider K)

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Commercial/Industrial Greater than 5,000 kVA Totalized Distribution-Connected (2021 FINAL RATE)

Price Schedule SAS-CST

Effective: April 1, 2021

- For System Access Service, single or three-phase, that have a totalized maximum demand of greater than or equal to 5,000 kVA in the previous year, for all Points of Service throughout the territory served by the Company from the Alberta Interconnected System. This rate is also applicable to new sites that forecast to have a normal totalized maximum demand of greater than or equal to 5,000 kVA. The Point of Service must be equipped with interval data metering.
- Each new site under this rate is required to enter into an Electric Service Agreement with EPCOR SYSTEM.

Price

- Charges for service in any one billing day shall be the sum of the Energy Charge, Demand Charge, OSS Charge and Operating Reserve Charges, determined for each individual Point of Service:

	Energy Charge (per kWh)	Demand Charge (per kW per Day)	OSS Charge (per kW per Day)	Operating Reserve (% x kWh delivered during each hour x Applicable Pool Price during each hour)	Fixed Point of Delivery Daily Charge
Transmission	SAS-CST4* \$0.00216	SAS-CST3* \$0.34657	SAS-CST6* \$0.00058	SAS-CST5* 5.91%	SAS-CST7* \$400.61

- Billing demand** for the System charges shall be the higher of:
 - The highest metered demand during the billing period;
 - 90% of the highest metered demand in the 24-month period including and ending with the billing period;
 - the estimated demand;
 - the Transmission Contract Demand (TCD);
 - 50 kilowatts.

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Commercial/Industrial Greater than 5,000 kVA Totalized Distribution-Connected (2021 FINAL RATE)

Price Schedule SAS-CST (Continued)

Application

- 1) **Power Factor Correction** - where a Customer's power factor is found to be less than 90%, the Company may require the Customer to install corrective equipment
- 2) **Price Adjustments** - the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) – See Note
 - Temporary Adjustment (Rider G)
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 - Short Term Adjustment (Rider K)

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Direct Transmission-Connected (2021 FINAL RATE)

Price Schedule SAS-DC

Effective: April 1, 2021

- For System Access Service, single or three-phase, for all Points of Service throughout the territory served by the Company from the Alberta Interconnected System, that are directly connected to a transmission substation, and do not make any use of System facilities owned by EPCOR System.
- The Point of Service must be equipped with interval data metering.

Price

- Charges for service in any one billing day shall be the sum of the Energy Charge, Demand Charge, OSS Charge and Operating Reserve Charges, determined for each individual Point of Service:

Transmission	The applicable rate(s) of the Alberta Electric System Operator Tariff
---------------------	---

- **Total charges from the AESO for each Point of Delivery applicable to sites on this rate will be flowed through to such sites.**

Application

- 1) **Price Adjustments** - the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) – See Note
 - Temporary Adjustment (Rider G)
 - Interim Adjustment (Rider J)
 - Short Term Adjustment (Rider K)

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GENERATOR INTERCONNECTION

Distribution-Connected (2021 FINAL RATE)

Price Schedule SAS-DGEN

Effective: April 1, 2021

- For Points of Service served by the Company from the Alberta Interconnected System, with on-site generating equipment connected to the System, which may be used to supply load at the same site.
- For interconnection of the generator to the Distribution System
- To charge Generators if the Point of Delivery attracts STS charges from the AESO
- The Point of Service must be equipped with bi-directional interval data metering, for both supply and demand, the cost of which will be in addition to the charges under this rate.

Price

- Charges for service in any one billing day shall be the sum of the STS charges from the AESO:

Capital Recovery Charges:

- The cost of the Incremental Interconnection Facilities will be determined as set out in Section 9.4 of the Terms and Conditions for System Service Connections. The total amount will be collected from the customer in accordance with Section 9.5 of the Terms and Conditions for System Service Connections. A contract will be arranged between the customer and the Company, specifying the contract term and the monthly amount, which will be calculated using the Company's Rate of Return and Depreciation in effect at the commencement of the contract term.
- The Generating customer will be required to pay all replacement costs for incremental facilities as per Section 9.4 of the Terms and Conditions for System Service Connections.

Application

1) Price Adjustments - the following price adjustments (riders) may apply:

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- Temporary Adjustment (Rider G)
- Interim Adjustment (Rider J)
- Short Term Adjustment (Rider K)

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STREET LIGHTING SERVICE (2021 FINAL RATE)

Price Schedule SAS-SL

Effective: April 1, 2021

- To the Retailer for services owned by the City of Edmonton for Street Lighting Service

Price

- Charges for service in any one billing month are the sum of the Demand Charges.

	Demand Charge (per kW per Day)
Transmission	SAS-SL1* \$0.17472

- Billing demand for the Transmission charges shall be 90% of the highest metered demand in the 12-month period including and ending with the billing period.

Application

- Price Adjustments** – the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) – See note
 - Temporary Adjustment (Rider G)
 - Interim Adjustment (Rider J)
 - Short Term Adjustment (Rider K)

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Traffic Control (2021 FINAL RATE)

Price Schedule SAS-TL

Effective: April 1, 2021

- For services owned by the City of Edmonton for Traffic Lights and other Traffic Control Service

Price

- Charges for service in any one billing month are the sum of the Demand Charges.

	Demand Charge (per kW per Day)
Transmission	SAS-TL1* \$0.81545

- Billing demand for the Transmission charges shall be 90% of the highest metered demand in the 12-month period including and ending with the billing period.

Application

- Price Adjustments** – the following price adjustments (riders) may apply:

Local Access Fees (Rider LAF) – See Note
 Temporary Adjustment (Rider G)
 Interim Adjustment (Rider J)
 Short Term Adjustment (Rider K)

Note: The Local Access Fee (LAF) is a surcharge imposed by the City of Edmonton and is not approved by the Alberta Utilities Commission. The LAF applies to all sites within the City of Edmonton.

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Security Lighting Service (2021 FINAL RATE)

Price Schedule SAS-SEL

Effective: April 1, 2021

- For existing unmetered Security Light Service. This rate is not available to new services.

Price

- Charges for service in any one billing month are the sum of the Demand Charges, determined for each individual Point of Service.

	Demand Charge (per kW per Day)
Transmission	SAS-SEL1* \$0.18281

- Billing demand for the Transmission charges shall be 90% of the highest metered demand in the 12-month period including and ending with the billing period.

Application

- Price Adjustments** – the following price adjustments (riders) may apply:
 - Local Access Fees (Rider LAF) – See Note
 - Temporary Adjustment (Rider G)
 - Interim Adjustment (Rider J)
 - Short Term Adjustment (Rider K)

Note: The Local Access Fee (LAF) is a surcharge imposed by the City of Edmonton and is not approved by the Alberta Utilities Commission. The LAF applies to all sites within the City of Edmonton.

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Lane Lighting Service (2021 FINAL RATE)

Price Schedule SAS-LL

Effective: April 1, 2021

- For the services owned by the City of Edmonton for Lane Lights

Price

- Charges for service in any one billing month are the sum of the Demand Charges.

	Demand Charge (per kW per Day)
Transmission	SAS-LL1* \$0.16557

- Billing demand for the Transmission charges shall be 90% of the highest metered demand in the 12-month period including and ending with the billing period.

Application

- Price Adjustments** – the following price adjustments (riders) may apply:

Local Access Fees (Rider LAF)- See Note
 Temporary Adjustment (Rider G)
 Interim Adjustment (Rider J)
 Short Term Adjustment (Rider K)

Note: The Local Access Fee (LAF) is a surcharge imposed by the City of Edmonton and is not approved by the Alberta Utilities Commission. The LAF applies to all sites within the City of Edmonton.

* Refer to the values associated with the Cell References in the Attached Table 3.

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TEMPORARY ADJUSTMENT

Rider G - Balancing Pool Rider

Effective: April 1, 2021

- Applicable to all customers, at points of service, throughout the territory served by the Company for energy consumption.
- Current Rider G rates are available on EPCOR's website:
<https://www.epcor.com/products-services/power/rates-tariffs-fees/Pages/power-tariffs-terms-and-conditions-edmonton.aspx>

Rate Schedule	Energy Charge	Demand Charge per KW or KVA per Day	OSS Charge	Operating Reserve
SAS-R	N/A	N/A	N/A	N/A
SAS-SC	N/A	N/A	N/A	N/A
SAS-MC	N/A	N/A	N/A	N/A
SAS-TOU	N/A	N/A	N/A	N/A
SAS-TOUP	N/A	N/A	N/A	N/A
SAS-CS	N/A	N/A	N/A	N/A
SAS CST	N/A	N/A	N/A	N/A
SAS-DC	N/A	N/A	N/A	N/A
SAS-DGEN	N/A	N/A	N/A	N/A
SAS-SL	N/A	N/A	N/A	N/A
SAS-TL	N/A	N/A	N/A	N/A
SAS-SEL	N/A	N/A	N/A	N/A
SAS-LL	N/A	N/A	N/A	N/A

Note: Rider G does not apply to Rider LAF and Rider J.

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INTERIM ADJUSTMENT

Rider J - SAS True-Up Rider

Effective: April 1, 2021

- Applies to all electric service throughout the territory served by the Company when a charge or refund is approved by the AUC.
- Current Rider J rates are available on EPCOR's website:
<https://www.epcor.com/products-services/power/rates-tariffs-fees/Pages/power-tariffs-terms-and-conditions-edmonton.aspx>

Rate Schedule	Energy Charge	Demand Charge per KW or KVA per Day	OSS Charge	Operating Reserve
SAS-R	N/A	N/A	N/A	N/A
SAS-SC	N/A	N/A	N/A	N/A
SAS-MC	N/A	N/A	N/A	N/A
SAS-TOU	N/A	N/A	N/A	N/A
SAS-TOUP	N/A	N/A	N/A	N/A
SAS-CS	N/A	N/A	N/A	N/A
SAS-CST	N/A	N/A	N/A	N/A
SAS-DC	N/A	N/A	N/A	N/A
SAS-DGEN	N/A	N/A	N/A	N/A
SAS-SL	N/A	N/A	N/A	N/A
SAS-TL	N/A	N/A	N/A	N/A
SAS-SEL	N/A	N/A	N/A	N/A
SAS-LL	N/A	N/A	N/A	N/A

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SHORT-TERM ADJUSTMENT

Rider K - Transmission Charge Deferral Account True-Up Rider ***Effective: April 1, 2021***

- Applies to all electric service throughout the territory served by the Company when a charge or refund is approved by the AUC.
- Current Rider K rates are available on EPCOR's website:
<https://www.epcor.com/products-services/power/rates-tariffs-fees/Pages/power-tariffs-terms-and-conditions-edmonton.aspx>

Rate Schedule	Energy Charge	Demand Charge per KW or KVA per Day	OSS Charge	Operating Reserve
SAS-R	-	N/A	N/A	N/A
SAS-SC	-	N/A	N/A	N/A
SAS-MC	-	N/A	N/A	N/A
SAS-TOU	-	N/A	N/A	N/A
SAS-TOUP	-	N/A	N/A	N/A
SAS-CS	-	N/A	N/A	N/A
SAS-CST	-	N/A	N/A	N/A
SAS-DC	-	N/A	N/A	N/A
SAS-DGEN	-	N/A	N/A	N/A
SAS-SL	-	N/A	N/A	N/A
SAS-TL	-	N/A	N/A	N/A
SAS-SEL	-	N/A	N/A	N/A
SAS-LL	-	N/A	N/A	N/A

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**Table 3: EDTI's 2021 System Access Service Rate Schedules
(2021 Final RATE)**

Rate Class	Cell Reference	Value	Description
Residential	SAS-R1	\$0.03610	/ kWh of Energy Charge
Commercial/ Industrial Service <50 kVA	SAS-SC1	\$0.03918	/ kWh of Energy Charge
Commercial/ Industrial Service 50 kVA to Less Than 150 kVA	SAS-MC1	\$0.28580	/kVA/day of Demand Charge
Commercial/ Industrial Service 50 kVA to Less Than 150 kVA	SAS-MC2	\$0.00563	/ kWh of Energy Charge
150 to 5000 kVA (Secondary)	SAS-TOU1	\$0.00223	/ kWh of Energy Charge
150 to 5000 kVA (Secondary)	SAS-TOU2	\$0.43466	/kW/day of Demand Charge
150 to 5000 kVA (Secondary)	SAS-TOU3	\$0.00067	/kW/day of Other System Support Charge
150 to 5000 kVA (Secondary)	SAS-TOU4	6.05%	Operating Reserve Charge (Total Energy x OR% x Pool Price)
150 to 5000 kVA (Primary)	SAS-TOUP1	\$0.00221	/ kWh of Energy Charge
150 to 5000 kVA (Primary)	SAS-TOUP2	\$0.39466	/kW/day of Demand Charge
150 to 5000 kVA (Primary)	SAS-TOUP3	\$0.00061	/kW/day of Other System Support Charge
150 to 5000 kVA (Primary)	SAS-TOUP4	5.98%	Operating Reserve Charge (Total Energy x OR% x Pool Price)
> 5000 kVA	SAS-CS1	\$0.00219	/ kWh of Energy Charge
> 5000 kVA	SAS-CS2	\$0.34771	/kW/day of Demand Charge
> 5000 kVA	SAS-CS3	\$0.00054	/kW/day of Other System Support Charge
> 5000 kVA	SAS-CS4	5.92%	Operating Reserve Charge (Total Energy x OR% x Pool Price)
CST	SAS-CST4	\$0.00216	/ kWh of Energy Charge
CST	SAS-CST3	\$0.34657	/kW/day of Demand Charge
CST	SAS-CST6	\$0.00058	/kW/day of Other System Support Charge
CST	SAS-CST5	5.91%	Operating Reserve Charge (Total Energy x OR% x Pool Price)
CST	SAS-CST7	\$400.61	Fixed Point of Delivery Daily Charge
Direct Connects to AESO	SAS-DC1	Flowthrough	/ kWh of Energy Charge
Direct Connects to AESO	SAS-DC2	Flowthrough	/kW/day of Demand Charge
Direct Connects to AESO	SAS-DC3	Flowthrough	/kW/day of Other System Support Charge
Direct Connects to AESO	SAS-DC4	Flowthrough	Pool Price Charge (Total Energy)
Direct Connects to AESO	SAS-DC5	Flowthrough	Fixed Point of Delivery Daily Charge Multiplied by applicable Substation Fraction
Photo Eye (Street Lights)	SAS-SL1	\$0.17472	/kW/day of Demand Charge
Continuous Operating Load	SAS-TL1	\$0.81545	/kW/day of Demand Charge
Photo Eye (Security Lights)	SAS-SEL1	\$0.18281	/kW/day of Demand Charge
Photo Eye (Lane Lights)	SAS-LL1	\$0.16557	/kW/day of Demand Charge

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Table 4: EDTI's 2021 Customer Specific Loss Factor and Operating Reserve Percentage

Rate Class	Cell Reference	CS Loss Factor	SAS-CS4	Description
> 5000 kW - Primary	CS20	0.16%	5.91%	Specific Distribution Loss Factor - CS20
> 5000 kW - Primary	CS21	0.35%	5.92%	Specific Distribution Loss Factor - CS21
> 5000 kW - Primary	CS22	1.35%	5.98%	Specific Distribution Loss Factor - CS22
> 5000 kW - Primary	CS23	0.18%	5.91%	Specific Distribution Loss Factor - CS23
> 5000 kW - Primary	CS24	0.09%	5.91%	Specific Distribution Loss Factor - CS24
> 5000 kW - Primary	CS25	0.20%	5.91%	Specific Distribution Loss Factor - CS25
> 5000 kW - Primary	CS26	1.44%	5.98%	Specific Distribution Loss Factor - CS26
> 5000 kW - Primary	CS27	0.20%	5.91%	Specific Distribution Loss Factor - CS27
> 5000 kW - Primary	CS28	0.43%	5.93%	Specific Distribution Loss Factor - CS28
> 5000 kW - Primary	CS29	0.38%	5.92%	Specific Distribution Loss Factor - CS29
> 5000 kW - Primary	CS30	0.01%	5.90%	Specific Distribution Loss Factor - CS30
> 5000 kW - Primary	CS31	0.18%	5.91%	Specific Distribution Loss Factor - CS31
> 5000 kW - Primary	CS32	0.19%	5.91%	Specific Distribution Loss Factor - CS32
> 5000 kW - Primary	CS33	1.37%	5.98%	Specific Distribution Loss Factor - CS33
> 5000 kW - Primary	CS34	0.10%	5.91%	Specific Distribution Loss Factor - CS34
> 5000 kW - Primary	CS35	0.30%	5.92%	Specific Distribution Loss Factor - CS35
> 5000 kW - Primary	CS37	0.00%	5.90%	Specific Distribution Loss Factor - CS37
> 5000 kW - Primary	CS38	0.12%	5.91%	Specific Distribution Loss Factor - CS38
> 5000 kW - Primary	CS39	0.72%	5.94%	Specific Distribution Loss Factor - CS39
> 5000 kW - Primary	CS40	1.27%	5.98%	Specific Distribution Loss Factor - CS40
> 5000 kW - Primary	CS41	0.67%	5.94%	Specific Distribution Loss Factor - CS41
> 5000 kW - Primary	CS42	0.57%	5.93%	Specific Distribution Loss Factor - CS42
> 5000 kW - Primary	CS43	0.51%	5.93%	Specific Distribution Loss Factor - CS43
> 5000 kW - Primary	CS44	0.47%	5.93%	Specific Distribution Loss Factor - CS44
> 5000 kW - Primary	CS45	0.59%	5.93%	Specific Distribution Loss Factor - CS45
> 5000 kW - Primary	CS46	0.57%	5.93%	Specific Distribution Loss Factor - CS46
> 5000 kW - Primary	CS49	1.04%	5.96%	Specific Distribution Loss Factor - CS49

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