

Information Document

ISO Tariff - Generator Unit Owner's Contribution Calculator

ID #2021-014T



Information documents are not authoritative. Information documents are for information purposes only and are intended to provide guidance. If there is a discrepancy between an information document and any authoritative document¹ in effect, the authoritative document governs.

1 Purpose

This information document relates to the following authoritative document:

- Section 7 of the ISO tariff, *Generating Unit Owner's Contribution* ("Section 7 of the ISO tariff").²

The purpose of this information document is to provide market participants with clarity on the AESO's owner's contribution calculation and a tool to estimate the owner's contribution for a generating unit or aggregated generating facility.

2 Completing the Generating Unit Owner's Contribution Calculator

2.1 General Information

Appendix 1 includes 2 calculators:

(a) current calculator

The current calculator is used to determine the owner's contribution, pursuant to subsection 7.4(2) of Section 7 of the ISO tariff, based on ISO tariff that is currently in effect. The calculator aligns with subsection 7.2 of Section 7 of the ISO tariff.

The current calculator can be found in the Appendix 1 A - *Generating Unit Owner's Contribution (GUOC) Calculator* worksheet ("A - *GUOC Calculator - Current* sheet").

(b) historical calculator

The historical calculator is used to determine the owner's contribution based on historical ISO tariff provisions.

The historical calculator can be found in the Appendix 1 C - *GUOC Calculator - Historical* worksheet ("C - *GUOC Calculator - Historical* sheet").

For each Appendix 1 calculator, the market participant enters the values requested in the cells highlighted in yellow only. The current and historical calculators will use these values to determine the owner's contribution based on the current and historical ISO tariff rates, respectively.

The AESO has provided messages, related to the project identification and calculation preparation, in the cells where values are entered. When the market participant enters values into the cells highlighted in yellow, it will replace the default text.

2.2 Project Details

In each Appendix 1 calculator, the market participant enters relevant project details in the highlighted cells.

(a) current calculator

For the current calculator, in the A - *GUOC Calculator - Current* sheet, the market

¹ "Authoritative document" is the general name given by the AESO to categories of documents made by the AESO under the authority of the *Electric Utilities Act* and associated regulations, and that contain binding legal requirements for either market participants or the AESO, or both. Authoritative documents include the ISO rules, the reliability standards, and the ISO tariff.

² ISO tariff section names and numbers provided are based on the 2021 ISO tariff and may differ from previous ISO tariffs.

participant enters the project details in rows (a), (b), (c), and (e).

In row (c), the market participant enters the maximum capability of the applicable aggregated generating facility or generating unit and the calculator uses it in accordance with subsection 7.2(a) of Section 7 of the ISO tariff.

(b) historical calculator

For the historical calculator, in the *C - GUOC Calculator - Historical* sheet, the market participant enters the project details in rows (a), (b), (d), and (f).

In row (d), the market participant enters the incremental Rate STS contract capacity increase that it requested as part of the applicable connection project and the calculator uses it in accordance with ISO tariffs that were previously in effect.

2.3 AESO's Planning Regions and the Owner's Contribution Rates

In each Appendix 1 calculator, the market participant chooses the AESO planning region where its project may be located from the highlighted dropdown list.

The AESO changes its planning regions and owner's contribution rates over time. The AESO's owner's contribution rates by planning region and date range are listed in the Appendix 1 *B – Owner's Contribution Rates* worksheet.

(a) current calculator

For the current calculator, in the *A - GUOC Calculator – Current* sheet, the market participant chooses the AESO's planning region in row (d).

The current owner's contribution rates by planning region are set out in subsection 7.3(1) of Section 7 of the ISO tariff. A map of the AESO's current planning regions is available in the *AESO 2021 Long-term Outlook*.³

(b) historical calculator

For the historical calculator, in the *C - GUOC Calculator - Historical* sheet, the market participant chooses the AESO's planning region in row (e).

2.4 Owner's Contribution Calculation

In each Appendix 1 calculator, once the information described in sections 2.3 and 2.4 of this information document is provided, the owner's contribution will be calculated in the Owner's Contribution Calculation row. The amount does not include GST.

3 Owner's Contribution Invoice and Evidence

The owner's contribution invoice the AESO issues to each legal owner of a generating unit or aggregated generating unit, in accordance with subsection 7.4(1) of section 7 of the ISO tariff, will include GST.

Accordingly, the AESO considers the after-tax owner's contribution payment amount when assessing the evidence that the legal owner provides the AESO, in accordance with subsection 3.6(8) of Section 3 of the ISO tariff, *System Access Service Requests*.

Appendix

[Appendix 1 - Generating Unit Owner's Contribution \(GUOC\) Calculator Excel Workbook](#)

³ AESO, *AESO 2021 Long-term Outlook*, Posted: June 29, 2021, Available on www.aeso.ca.

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Revision History

Date	Description of Change
2021-12-21	Administrative updates including adding in applicable ISO tariff subsection references. Addition of Appendix 1 C – <i>GUOC Calculator – Historical</i> worksheet and related information that calculates the owner’s contribution based on historical rates and calculation methodology. Addition of GST information as it relates to the owner’s contribution calculation.
2021-01-01	Initial release

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Generator Unit Owner's Contribution Calculator

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Attachment A - Generating Unit Owner's Contribution (GUOC) Calculator for Current Rates

AESO Tariff: 2021
 Effective: Jan 01, 2021
 To: Current

Market participant: *Name of Market Participant*
 Project name: *Project Name*
 Project number (if applicable): *Project Number*
 Prepared by: *Name of Preparer*
 Owner of the generating unit (If different from MP): *Name of GFO*
 Date: *Date Prepared*

Line	GUOC Calculator	
(a)	Date of commercial operation	
(b)	Contract capacity start date	
(c)	Maximum capability (MW)	
(d)	AESO's planning region where project will be located	
(e)	Owner's contribution previously paid (if any)	
(f)	Owner's contribution rate by selected planning region	<i>Select the planning region in cell E28</i>
(g)	Owner's Contribution Calculation	<i>Fill in cell E27 & select the planning region in E28</i>

Please note the AESO includes GST when invoicing and assessing the legal owner's ability to pay its owner's contribution.

Attachment B - Owner's Contribution Rates

Effective Dates	Owner's Contribution Rate by AESO's Planning Regions (\$/MW)						
	Northwest	Northeast	Edmonton	Central	East	Calgary	South
Before 2006	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2006-2007	\$10,000	\$50,000	\$31,300	\$10,000	\$20,200	\$10,000	\$20,100
2008-2009	\$10,000	\$50,000	\$32,500	NA	NA	\$10,000	\$28,100
2010-2011	\$10,000	\$50,000	\$32,500	\$22,400	NA	\$10,000	\$25,000
2012-2013	\$10,000	\$50,000	\$32,500	\$22,400	NA	\$10,000	\$25,000
2014-2020	\$10,000	\$50,000	\$32,500	\$22,400	NA	\$10,000	\$25,000
2021	\$10,000	\$20,000	\$30,000	\$50,000	NA	\$40,000	\$20,000

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Attachment C - Generating Unit Owner's Contribution (GUOC) Calculator for Historical Rates

AESO Tariff: Pre 2021
 Effective: Prior to January 1, 2021
 To: NA

Market participant: *Name of Market Participant*
 Project name: *Project Name*
 Project number (if applicable): *Project Number*
 Prepared by: *Name of Preparer*
 Owner of the generating unit (If different from MP): *Name of GFO*
 Date: *Date Prepared*

Line	GUOC Calculator	
(a)	Date of commercial operation	
(b)	Contract capacity start date	
(c)	Contribution Rates Applied	
(d)	Supply Transmission Service (MW)	
(e)	AESO's planning region where project will be located	
(f)	Owner's contribution previously paid (if any)	
(g)	Owner's contribution rate by selected planning region	<i>Select cells E27 and E29</i>
(h)	Owner's Contribution Calculation	<i>Fill in cell E28, and select cells E27 and E29</i>

Please note the AESO includes GST when invoicing and assessing the legal owner's ability to pay its owner's contribution.