

**FORM 51-102F3**  
**Material Change Report**

ITEM 1. **Name and Address of Company**

Enertopia Corp. (the "Company" or "Enertopia")  
1873 Spall Road, #18  
Kelowna, BC V1Y 4R2

ITEM 2. **Date of Material Change**

October 22, 2021

ITEM 3. **News Release**

The Company disseminated a news release on October 22, 2021. The Company announced the material change by filing a Form 8-K with the Securities and Exchange Commission.

ITEM 4. **Summary of Material Change**

On October 22, 2021, the Company announced that it had received a positive 3<sup>rd</sup> party engineering study. Over the past few months, the independent engineering firm Thermal Energy System Specialists, LLC. conducted engineering studies to confirm our in-house analysis on field validation and demonstration, as well as next-generation PV increase in production and co-extraction of waste heat energy. These early findings indicate that a one-megawatt solar PV array could potentially have its annual production increased by up to 193 MW/h per year. This is based on a current annual rated production capacity of 1,400 MW/h per year for a one MW solar PV array.

ITEM 5. **Full Description of Material Change**

5.1 **Full Description of Material Change**

See attached Form 8-K with exhibit.

5.2 **Disclosure for Restructuring Transactions**

Not Applicable

ITEM 6. **Reliance on subsection 7.1(2) of National Instrument 51-102**

Not Applicable

ITEM 7. **Omitted Information**

No material information has been omitted.

ITEM 8. **Executive Officer**

Additional information respecting the Company or the material changes disclosed under this form may be obtained by contacting Robert McAllister, CEO and President of the Company, at (250) 870-2219.

ITEM 9. **Date of Report**

Dated October 26, 2021

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM 8-K**

**CURRENT REPORT**

Pursuant to Section 13 OR 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) October 22, 2021

**ENERTOPIA CORP.**

(Exact name of registrant as specified in its charter)

<u>Nevada</u>	<u>000-51866</u>	<u>20-1970188</u>
(State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)

<u>#18, 1873 Spall Road, Kelowna, BC</u>	<u>V1Y 4R2</u>
(Address of principal executive offices)	(Zip Code)

Registrant's telephone number, including area code 250-870-2219

N/A  
(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Shares	ENRT	OTC Markets

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

**Item 7.01 Regulation FD Disclosure**

On October 22, 2021, Enertopia Corp. issued a news release, attached as Exhibit 99.1, announcing that it has received a positive 3<sup>rd</sup> party engineering study.

**Item 9.01 Financial Statements and Exhibits**

99.1 Press Release dated October 22, 2021

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**ENERTOPIA CORP.**

*/s/ Robert McAllister*

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Robert McAllister  
President and Director

October 26, 2021



## Enertopia receives Positive 3<sup>rd</sup> Party Engineering Study

Kelowna, British Columbia, October 22nd, 2021 - **Enertopia Corporation** (“Enertopia” or the “Company”) a company focused on building shareholder value through a combination of our Nevada Lithium claims, intellectual property, & patents in the green technology space, is pleased to announce the following technology update.

Over the past few months, the independent engineering firm Thermal Energy System Specialists, LLC. conducted engineering studies to confirm our in-house analysis on field validation and demonstration, as well as next-generation PV increase in production and co-extraction of waste heat energy.

These early findings indicate that a one-megawatt solar PV array could potentially have its annual production increased by up to 193 MW/h per year. This is based on a current annual rated production capacity of 1,400 MW/h per year for a one MW solar PV array.

“Enertopia is looking forward to moving into the fabrication and beta phase on the Solar booster and the Heat Extractor as we move to maximize the increased PV and thermal outputs during this next phase of development in providing carbon neutral energy production options.” Stated President and CEO Robert McAllister.”

### **The three main goals from the detailed 9-page report.**

1. Verify that existing PV/T models have the flexibility to address the specific design considerations being proposed and by applying reasonable assumptions, while also confirming that we see the same order of magnitude electrical performance improvement that has been documented at other actively cooled PV arrays.

#### **Results:**

*Data analysis projects increased annual PV output under the top three scenarios of **11.8% to 13.8%** with the increase in PV output during the month of July running between **17.4% and 19.9%***

*Data analysis using the combination of PV and thermal recovery resulted in an increased annual PV output of **8.2%** and thermal energy output of **14.6%***

2. Identify the critical design elements of the PV/T to which the electrical (and thermal) performance are most sensitive, in order to guide the design of the cooling mats.

#### **Results:**

*Thermal loss between layers, length of run, and flow of the cooling medium are three areas targeted for increased performance output.*

3. Lay the groundwork for a model calibration exercise, in which the PV/T model will be driven with site measured weather conditions, allowing us to adjust model parameters so as to minimize

the difference between modeled and measured energy production. The calibrated model will then be used as a test bed for additional cooling mat design options.

**Results:**

*Data monitoring and Beta testing are underway on the first rooftop Solar Booster, which is providing PV cooling and Thermal water heating for a residential pool.*

**About Enertopia:**

Defines Itself as an Environmental Solutions Company focused on using modern technology on extracting lithium and verifying or sourcing other intellectual property in the EV & green technologies to build shareholder value.

Enertopia shares are quoted in the United States under ticker symbol ENRT. For additional information, please visit [www.enertopia.com](http://www.enertopia.com) or call Robert McAllister, the President at 1-888-ENRT201.

This release includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Statements which are not historical facts are forward-looking statements. The Company makes forward-looking public statements concerning its expected future financial position, results of operations, cash flows, financing plans, business strategy, products and services, potential and financing of its mining or technology projects, growth opportunities, plans and objectives of management for future operations, including statements that include words such as “anticipate,” “if,” “believe,” “plan,” “estimate,” “expect,” “intend,” “may,” “could,” “should,” “will,” and other similar expressions that are forward-looking statements. Such forward-looking statements are estimates reflecting the Company’s best judgment based upon current information and involve a number of risks and uncertainties, and there can be no assurance that other factors will not affect the accuracy of such forward-looking statements., foreign exchange and other financial markets; changes in the interest rates on borrowings; hedging activities; changes in commodity prices; changes in the investments and expenditure levels; litigation; legislation; environmental, judicial, regulatory, political and competitive developments in areas in which Enertopia Corporation operates. There can be no assurance that the testing for the brine recovery system will be effective for the recovery of Lithium and if effective will be economic or have any positive impact on Enertopia, or that current talks with respect to potential joint ventures or partnerships will result in definitive agreements. There can be no assurance that patent #6,024,086 will have a positive impact on Enertopia. There can be no assurance that provisional patents applications will become patents or the DOE testing will prove successful. The User should refer to the risk disclosures set out in the periodic reports and other disclosure documents filed by Enertopia Corporation from time to time with regulatory authorities.

*The OTC has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.*