

Project Number: C324A  
Project Name: District Energy System

Amendment # 5

City of Saint John  
15 Market Square  
City Hall  
P.O. Box 1971  
Saint John, NB  
E2L 4L1

Dear Samir Yammine:

We wish to inform you that Environment and Climate Change Canada (ECCC) intends to approve an amendment to the above noted Agreement. Your concurrence, by signing below and returning a copy of this letter to ECCC within 10 business days, is required for ECCC to finalize and implement this amendment.

I concur with this Amendment to the contribution agreement with Environment and Climate Change Canada, and represent and warrant that I am duly authorized to approve this amendment on behalf of <b>City of Saint John</b>		
_____	_____	_____
Name & Title	Signature	Date
_____	_____	_____
Name & Title	Signature	Date

Should you have any questions about this amendment or require additional information, please contact Kelsey Treurniet at [Kelsey.Treurniet@ec.gc.ca](mailto:Kelsey.Treurniet@ec.gc.ca).

Sincerely,

Ramsey Wright  
A/Director General, Program Directorate

Agreement Amendment

This amendment revises the following section(s) of the Agreement:

- *Schedule B.2: Project Budget*
- *Schedule B.3: Fiscal Year Breakdown*
- *Schedule B.4: Summary of Project Activities and Associated Costs*

Change to Section Schedule B.2: Project Budget in the Agreement:

FROM:

<b>Project</b>	<b>District Energy System</b>
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<b>Total costs of the Project</b>	<b>\$4,880,400</b>	<b>100%</b>
<b>Total Eligible Expenditures of the Project</b>	<b>\$4,670,229</b>	<b>96%</b>
<b>Total Ineligible Expenditures of the Project</b>	<b>\$210,171</b>	<b>4%</b>
<b>Recipient’s contribution towards Eligible Expenditures</b>	<b>\$2,802,137</b>	<b>60%</b>
<b>Canada’s maximum contribution towards Eligible Expenditures</b>	<b>\$1,868,092</b>	<b>40%</b>

	<b>TOTAL</b>	<b>FISCAL YEAR BREAKDOWN</b>
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<b>EXPENDITURES / FUNDING REQUEST</b>		<b>2020-2021</b>	<b>2021-2022</b>	<b>2022-2023</b>	<b>2023-2024</b>
<b>Total Project expenditures</b>					
<b>Total Eligible Expenditures</b>	<b>\$4,670,229</b>	\$681,225	\$250,000	\$250,000	\$3,489,004
<b>Total Ineligible Expenditures</b>	<b>\$210,171</b>	\$0	\$0	\$110,171	\$100,000
<b>Total of All Expenditures</b>	<b>\$4,880,400</b>	<b>\$681,225</b>	<b>\$250,000</b>	<b>\$360,171</b>	<b>\$3,589,004</b>
<b>Canada's contribution pertaining to each Fiscal Year</b>					
<b>Uncapped Eligible Expenditures</b>	<b>\$1,747,136</b>	\$263,226	\$93,000	\$93,000	\$1,297,910
<b>Eligible planning expenditures (capped at 5% of Canada's contribution)</b>	<b>\$89,044</b>	\$9,264	\$5,000	\$5,000	\$69,780
<b>Eligible incremental employee expenditures (capped at 2% of Canada's contribution)</b>	<b>\$31,912</b>	\$0	\$2,000	\$2,000	\$27,912
<b>Eligible travel expenditures (capped at 5% of Canada's contribution)</b>	<b>\$0</b>	\$0	\$0	\$0	\$0

<b>Total Canada's contribution toward Eligible Expenditures pertaining to each Fiscal Year</b>	<b>\$1,868,092</b>	<b>\$272,490</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$1,395,602</b>
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TO:

<b>Project</b>	<b>District Energy System</b>
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<b>Total costs of the Project</b>	<b>\$3,289,720</b>	<b>100%</b>
<b>Total Eligible Expenditures of the Project</b>	<b>\$3,079,549</b>	<b>94%</b>
<b>Total Ineligible Expenditures of the Project</b>	<b>\$210,171</b>	<b>6%</b>
<b>Recipient's contribution towards Eligible Expenditures</b>	<b>\$1,352,729</b>	<b>44%</b>
<b>Canada's maximum contribution towards Eligible Expenditures</b>	<b>\$1,231,820</b>	<b>40%</b>
<b>Province of New Brunswick</b>	<b>\$495,000</b>	<b>16%</b>

EXPENDITURES / FUNDING REQUEST	TOTAL	FISCAL YEAR BREAKDOWN			
		2020-2021	2021-2022	2022-2023	2023-2024
<b>Total Project expenditures</b>					
Total Eligible Expenditures	\$3,079,549	\$681,225	\$250,000	\$125,000	\$2,023,324
Total Ineligible Expenditures	\$210,171	\$0	\$0	\$110,163	\$100,008
<b>Total of All Expenditures</b>	<b>\$3,289,720</b>	<b>\$681,225</b>	<b>\$250,000</b>	<b>\$235,163</b>	<b>\$2,123,332</b>
<b>Canada's contribution pertaining to each Fiscal Year</b>					
Uncapped Eligible Expenditures	\$1,145,593	\$263,226	\$100,000	\$50,000	\$732,367
Eligible planning expenditures (capped at 5% of Canada's contribution)	\$61,591	\$9,264	\$0	\$0	\$52,327
Eligible incremental employee expenditures (capped at 2% of Canada's contribution)	\$24,636	\$0	\$0	\$0	\$24,636
Eligible travel expenditures (capped at 5% of Canada's contribution)	\$0	\$0	\$0	\$0	\$0

<b>Total Canada's contribution toward Eligible Expenditures pertaining to each Fiscal Year</b>	<b>\$1,231,820</b>	<b>\$272,490</b>	<b>\$100,000</b>	<b>\$50,000</b>	<b>\$809,330</b>
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Change to Section Schedule B.3: Fiscal Year Breakdown

FROM:

PROJECT NAME	SOURCES OF FUNDING	Estimated Eligible Contribution by Fiscal Year				
		TOTAL	2020-2021	2021-2022	2022-2023	2023-2024
District Energy System	Canada	\$1,868,092	\$272,490	\$100,000	\$100,000	\$1,395,602
	Recipient	\$2,802,137	\$408,735	\$150,000	\$150,000	\$2,093,403
Total: Canada's contribution		\$1,868,092	\$272,490	\$100,000	\$100,000	\$1,395,602
Total: Recipient's contribution		\$2,802,137	\$408,735	\$150,000	\$150,000	\$2,093,403

TO:

PROJECT NAME	SOURCES OF FUNDING	Estimated Eligible Contribution by Fiscal Year				
		TOTAL	2020-2021	2021-2022	2022-2023	2023-2024
District Energy System	Canada	\$1,231,820	\$272,490	\$100,000	\$50,000	\$809,330
	Recipient	\$1,352,729	\$408,735	\$150,000	\$75,000	\$718,994

	Province of New Brunswick	\$495,000	\$0	\$0	\$0	\$495,000
<b>Total: Canada's contribution</b>		<b>\$1,231,820</b>	<b>\$272,490</b>	<b>\$100,000</b>	<b>\$50,000</b>	<b>\$809,330</b>
<b>Total: Recipient's contribution</b>		<b>\$1,352,729</b>	<b>\$408,735</b>	<b>\$150,000</b>	<b>\$75,000</b>	<b>\$718,994</b>
<b>Total: Province of New Brunswicks contribution</b>		<b>\$495,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$495,000</b>

Change to Section Schedule B.4: Summary of Project Activities and Associated Costs:

FROM:

Name of Project Component	Description	Start Date	End Date	Total Project Cost	Total Ineligible Expenditures	Total Eligible Expenditures	Recipient's Contribution to Eligible Expenditures	Canada's Maximum Contribution to Eligible Expenditures
<b>District Energy System – Phase 1</b>								
Planning, design, and tender	Costs of planning and assessment related to Project Packaging	Dec 01, 2019	March 31, 2024	\$18,866	\$1	\$18,865	\$11,319	\$7,546
	Costs of planning and assessment related to Team Assembly	Dec 12, 2019	March 31, 2024	\$18,865	\$0	\$18,865	\$11,319	\$7,546



	Civil Engineering Contract - Consultant design & construction administration fees	Mar 01, 2020	Dec 31, 2024	\$170,287	\$108,287	\$62,000	\$37,200	\$24,800
	Mechanical and Electrical Engineering Contract - Consultant design & construction administration fees	Apr 01, 2020	Dec 31, 2024	\$226,383	\$101,883	\$124,500	\$74,700	\$49,800
Installation of central plant	Isolation of Thermal Storage Cells from Main Loop (HX + Pumps) - Contractors costs (purchase & installation including measurement and verification, reporting, GHG emissions and energy saving calculations, construction	Dec 1, 2019	Dec 31, 2024	\$650,000	\$0	\$650,000	\$390,000	\$260,000

management and commissioning etc.)							
Heat Recovery Chillers - Contractors costs (purchase & installation including measurement and verification, reporting, GHG emissions and energy saving calculations, construction management and commissioning etc.)	Dec 1, 2019	March 31, 2022	\$1,279,789	\$0	\$1,279,789	\$767,873	\$511,916
Condenser Water Pumps and Accessories for Geo-exchange - Contractors costs (purchase & installation)	Dec 1, 2019	Dec 31, 2024	\$200,000	\$0	\$200,000	\$120,000	\$80,000
Cold and Hot Water Mains -	Dec 31, 2019	Dec 31, 2024	\$500,000	\$0	\$500,000	\$300,000	\$200,000

	Contractors costs (purchase & installation)							
	Electrical and Controls - Contractors costs (purchase & installation)	Dec 1, 2019	Dec 31, 2024	\$200,000	\$0	\$200,000	\$120,000	\$80,000
Connection of DES to buildings	Connection of the Canada Games Aquatic Centre - Contractors costs (purchase & installation including measurement and verification, reporting, GHG emissions and energy saving calculations, construction management and commissioning etc.)	Sept 1, 2020	Dec 31, 2024	\$1,016,210	\$0	\$1,016,210	\$609,726	\$406,484
	Connection of the Genesys - Contractors costs	Sept 1, 2020	Dec 31, 2024	\$200,000	\$0	\$200,000	\$120,000	\$80,000

	(purchase & installation)							
	Connection of the Market Square - Contractors costs (purchase & installation)	Sept 1, 2020	Dec 31, 2024	\$150,000	\$0	\$150,000	\$90,000	\$60,000
	Connection of the Hilton Hotel - Contractors costs (purchase & installation)	Sept 1, 2020	Dec 31, 2024	\$250,000	\$0	\$250,000	\$150,000	\$100,000
<b>District Energy System – Phase 1</b>			<b>SUB-TOTAL</b>	<b>\$4,880,400</b>	<b>\$210,171</b>	<b>\$4,670,229</b>	<b>\$2,802,137</b>	<b>\$1,868,092</b>
			<b>TOTAL</b>	<b>\$4,880,400</b>	<b>\$210,171</b>	<b>\$4,670,229</b>	<b>\$2,802,137</b>	<b>\$1,868,092</b>

TO:

Name of Project Component	Description	Start Date	End Date	Total Project Cost	Total Ineligible Expenditures	Total Eligible Expenditures	Recipient's Contribution to Eligible Expenditures	Province of New Brunswick	Canada's Maximum Contribution to Eligible Expenditures
	Costs of planning and assessment related to Project Packaging	December 1, 2019	March 31, 2024	\$18,866	\$1	\$18,865	\$11,319	\$0	\$7,546

Planning, design and tender	Costs of planning and assessment related to Team Assembly	December 12, 2019	March 31, 2024	\$18,865	\$0	\$18,865	\$11,319	\$0	\$7,546
	Civil Engineering Contract - Consultant design & construction administration fees	March 1, 2020	December 31, 2024	\$170,287	\$108,287	\$62,000	\$37,200	\$0	\$24,800
	Mechanical and Electrical Engineering Contract - Consultant design & construction administration fees	April 1, 2020	December 31, 2024	\$226,383	\$101,883	\$124,500	\$74,700	\$0	\$49,800
Installation of central plant	Isolation of Thermal Storage Cells from Main Loop (HX + Pumps) - Contractors costs (purchase & installation including measurement and verification, reporting, GHG emissions and energy saving calculations, construction management and commissioning etc.)	December 1, 2019	December 31, 2024	\$50,000	\$0	\$50,000	\$30,000	\$0	\$20,000
	Heat Recovery Chillers - Contractors costs (purchase & installation including measurement and verification, reporting, GHG emissions and energy saving calculations,	December 1, 2019	March 31, 2022	\$862,262	\$0	\$862,262	\$512,357.18	\$5,000	\$344,905

	construction management and commissioning etc.)								
	Condenser Water Pumps and Accessories for Geo-exchange - Contractors costs (purchase & installation)	December 1, 2019	December 31, 2024	\$200,000	\$0	\$200,000	\$120,000	\$0	\$80,000
	Cold and Hot Water Mains - Contractors costs (purchase & installation)	December 31, 2019	December 31, 2024	\$500,000	\$0	\$500,000	\$150,000	\$150,000	\$200,000
	Electrical and Controls - Contractors costs (purchase & installation)	December 1, 2019	December 31, 2024	\$200,000	\$0	\$200,000	\$60,000	\$60,000	\$80,000
Connectin of DES buildings	Connection of the Canada Games Aquatic Centre - Contractors costs (purchase & installation including measurement and verification, reporting, GHG emissions and energy saving calculations, construction management and commissioning etc.)	September 1, 2020	December 31, 2024	\$933,057	\$1	\$933,057	\$279,834.00	\$280,000	\$373,223
	Connection of the Genesys - Contractors costs (purchase & installation)	September 1, 2020	December 31, 2024	\$35,000	\$0	\$35,000	\$21,000	\$0	\$14,000

Connection of the Market Square - Contractors costs (purchase & installation)	September 1, 2020	December 31, 2024	\$35,000	\$0	\$35,000	\$21,000	\$0	\$14,000	
Connection of the Hilton Hotel - Contractors costs (purchase & installation)	September 1, 2020	December 31, 2024	\$40,000	\$0	\$40,000	\$24,000	\$0	\$16,000	
<b>District Energy System – Phase 1</b>			<b>SUB-TOTAL</b>	<b>\$3,289,720</b>	<b>\$210,171</b>	<b>\$3,079,549</b>	<b>\$1,352,729</b>	<b>\$495,000</b>	<b>\$1,231,820</b>
			<b>TOTAL</b>	<b>\$3,289,720</b>	<b>\$210,171</b>	<b>\$3,079,549</b>	<b>\$1,352,729</b>	<b>\$495,000</b>	<b>\$1,231,820</b>