

REQUEST FOR PROPOSAL “RFP No. PS20210169
NEU: LOW-CARBON THERMAL ENERGY SUPPLY FOR NORTHEAST FALSE CREEK

QUESTIONS AND ANSWERS NO. 6

ISSUED ON: November 4, 2021

<p>Q6.1</p>	<p>The Emission Factor for calculating Greenhouse Gas Emissions have been provided in 2018 BC Methodological Guidance for Quantifying Greenhouse Gas Emissions. This document is primarily intended for Public Sector Organizations and Local Governments, and it includes a current Emission Factor for purchased electricity at 10.67 tCO₂e/GWh. The RFP states to use this document for Emission Factors.</p> <p>How will the City address future changes in the Emission Factor? Will the Maximum Allowable Carbon Intensity of Energy Supply be adjusted along with the rates? What if there is a significant shift?</p> <p>For example, the province also provides Emission Intensity Factors for electricity use as part of the CleanBC plan, where the Emission Factor for BC Hydro is listed at 40.1 tCO₂e/GWh for 2020. If there was a change in the Emission Factor to match CleanBC, it would have a significant impacts on the ability for some technical solution to meet the current Maximum Allowable Carbon Intensities.</p> <p>https://www2.gov.bc.ca/gov/content/environment/climate-change/industry/reporting/quantify/electricity [gov.bc.ca]</p>
<p>A6.1</p>	<p>The City uses the 2018 Emission Factor for Public Sector Organizations (PSOs) (i.e. 10.67 tCO₂e/GWh for electricity) for planning current policy and modelling the carbon intensity of new developments. While it may not precisely reflect the year-to-year emissions intensity, this emissions factor for electricity is viewed as the appropriate number for our long-term planning and is therefore what was assumed when setting the carbon intensity limits for this energy purchase agreement.</p> <p>The provincial government has announced that a 100% Clean Electricity Standard will be mandated in BC, meaning that the carbon intensity of the electrical grid is expected to go down in future.</p> <p>For calculating the annual carbon intensity of energy supply against the required carbon intensity limits set out in this procurement, the assumed 2018 Emission Factor for electricity of 10.67 tCO₂e / GWh should be used for electrical inputs supplied by BC Hydro.</p>

END OF Q&A No. 6