

**ENBRIDGE GAS INC.
INTEGRATED RESOURCE PLANNING PROPOSAL
EB-2020-0091**

UNDERTAKING (J)

<u>Undertaking</u>	<u>Date</u>	<u>DESCRIPTION</u>	<u>Response Date</u>
J1.1	1/3	TO ADVISE AS TO HOW MANY OF THE 2,114 PROJECTS IN THE AMP APPROXIMATELY, THE APPROXIMATE NUMBER OF THOSE THAT RELATE TO PIPELINE PROJECTS.	
J1.2		FOR A RECENT LEAVE-TO-CONSTRUCT PROJECT INCLUDED IN RATE BASE WHERE ICM TREATMENT HAS BEEN REQUESTED, TO PROVIDE THE TOTAL CAPITAL COST TO THAT PROJECT AND THE RATE IMPACT IS ON AN ANNUAL BASIS IN DOLLARS AND AS A PERCENT INCREASE A TYPICAL BILL	
J1.3		TO ADVISE IF THERE WERE TO BE ADJUDICATION OF DECISIONS AND DISCOVERY ON DECISIONS TO NOT TO PURSUE AN IRPA PRIOR TO THE LEAVE-TO-CONSTRUCT APPLICATION, HOW OFTEN WOULD THEY OCCUR; AND TO GIVE SOME THOUGHT AS TO WHAT KIND OF PROCEEDING THEY SHOULD OCCUR IN IF THAT'S NOT AN ANNUAL RATES CASE.	
J1.4		TO PROVIDE THE LIST OF SCREENING CRITERIA WITH ADDITIONAL SPECIFICITY TO ADDRESS FURTHER DETAILS THAT MAY BE HELPFUL AND ISSUES THAT MAY HAVE BEEN DISCUSSED DURING THE HEARING.	
J1.5		TO PROVIDE A FURTHER BREAKDOWN OF THE TABLE FROM JT2.11 BASED ON THE CATEGORIES IN THE UTILITY SYSTEM PLAN	
J1.6		TO ADVISE WHAT TIME PERIODS ENBRIDGE DOES ECONOMIC FORECASTING OF GDP,	

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		INFLATION, INTEREST RATES, LABOUR MARKET TRENDS, AND MARKET PRICES OF COMPETITIVE ENERGY OPTIONS.	
J1.7		TO PROVIDE THE 20-YEAR DEMAND FORECAST, AND TO INCLUDE UNCERTAINTY BANDS	
J1.8		TO PROVIDE AN ORG CHART OF EGI, JUST DOWN TO THE DIRECTOR LEVEL, NOT BELOW THAT, WITH THE VARIOUS TYPES OF FORECASTING AND PLANNING AND WHERE THEY HAPPEN INDICATED, TO UNDERSTAND HOW THEY WORK TOGETHER, HOW THEY FIT WITHIN THE ORGANIZATION, AND HOW THEY'RE SEPARATE FROM EACH OTHER WITHIN THE ORGANIZATION.	
J1.9		TO INDICATE WHAT PROPORTION OF THE PROJECTS THAT ARE SHOWN IN TABLE 2 ARE MORE THAN THREE YEARS AWAY.	
DAY 2			
J2.1	2/3	TO PROVIDE THE CALCULATION UNDERPINNING THE 8 CENTS PER KILOWATT HOUR	
J2.2		TO PROVIDE A LIST OF WHAT STUDIES ARE SAYING REGARDING THE PRICE OF GREEN HYDROGEN AS A COST PER CUBIC METRE OF EQUIVALENT NATURAL GAS. TO INCLUDE THE CALCULATIONS USED TO GET FROM THE COST PER KILOGRAM TO THE COST PER EQUIVALENT NATURAL GAS CUBIC METRE IN THE UNDERLYING STUDIES.	
J2.3		TO CONFIRM WHETHER ALL OR ALMOST ALL OF ENBRIDGE'S PIPELINES WOULD NEED TO BE REPLACED TO TRANSPORT 100 PERCENT HYDROGEN SAFELY AND RELIABLY.	

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J2.4		TO CONFIRM WHETHER THE TRC OR ANOTHER SOCIETY COST TEST WAS USED IN THE OEB MAC CURVE ANALYSIS	
J2.5		TO CONFIRM THAT THERE IS A SUBSIDY OF 60,000 DOLLARS PER CUSTOMER BEING PAID FOR BY EXISTING RATEPAYERS IN THE NORTH BAY COMMUNITY EXPANSION PROJECT, AND IF NOT, TO EXPLAIN WHY NOT	
J2.6		TO ADVISE WHETHER THE GIST OF THIS QUOTE IS THAT THE ANNUAL COSTS OF A HEAT PUMP WOULD BE 150 TO 250 DOLLARS LESS THAN NATURAL GAS ONCE THE 23 CENTS PER CUBIC METRE SYSTEM ACCESS SURCHARGE IS ACCOUNTED FOR.	
J2.7		TO REVIEW THE AMP TO CONFIRM THE TOTAL COST OF THE PROJECTS THAT WOULD NO LONGER BE NECESSARY WITHOUT THE DEMAND FROM FOSSIL FUEL ELECTRICITY GENERATION.	
J2.8		TO RESPOND TO THE QUESTION: IF WE SEE A TREND TOWARDS DECARBONIZATION AND IT REDUCES GAS DEMAND IN-FRANCHISE AND EX-FRANCHISE, AND YOUR EX-FRANCHISE TRANSPORTATION CUSTOMERS CHOOSE NOT TO RENEW COMMITMENTS, WHO IN CANADA WILL BEAR THE PORTION OF CAPITAL COSTS THAT WERE BEING PICKED UP BY THOSE EX-FRANCHISE CUSTOMERS? ASSUMING YOU CANNOT UTILIZE THAT CAPACITY BECAUSE DEMAND IS FALLING HERE AND IN NEW YORK AND ELSEWHERE	
DAY 3			
J3.1	3/3	TO FILE THE IESO'S MOST RECENT ANNUAL PLANNING OUTLOOK FOR 2020; TO DISCUSS HOW THIS INFORMATION RELATES TO OR OTHERWISE SUPPORTS ENBRIDGE'S FORECASTED DEMAND FROM NATURAL GAS-	

<u>Undertaking</u>	<u>Date</u>	<u>DESCRIPTION</u>	<u>Response Date</u>
		FIRED ELECTRICITY GENERATION, AND HOW THIS INFORMATION MAY IMPACT THE LIKELIHOOD OF THIS SPECULATIVE SCENARIO PROPOSED BY MR. ELSON IN RESPECT OF UNDERTAKING NO. J2.7	
J3.2		TO ADVISE WHETHER THE JT1.16 METRICS WILL BE USED FOR CONSIDERING PIPE AND NON-PIPE IRPAS IN THE ASSET MANAGEMENT PLAN.	
J3.3		TO EXPLAIN WHY IN THE ILLUSTRATIVE EXAMPLE THE DEMAND RESPONSE IS SHOWN AS SIGNIFICANTLY WORSE THAN PIP ON FINANCIAL, OPERATIONAL, AND REPUTATIONAL FACTORS.	
J3.4		TO ADVISE AS TO WHY THE EAHSP EXAMPLE SHOWS GOOD RESULTS	
J3.5A		TO ADVISE AS TO WHY THE ETEE COLUN SHOWS WORSE RESULTS FOR THE FINAL THREE VALUES	
J3.5B		TO CONFIRM THE CONSULTATIVE PROCESS THAT GOES ON BETWEEN ENBRIDGE AND LARGE CUSTOMERS THAT ARE RESPONDING TO AN EXPRESSION OF INTEREST WITH RESPECT TO FUTURE CAPACITY PROJECTS.	
J3.6		TO COMMENT ON THE QUESTION IF A PIPELINE ALTERNATIVE DID NOT MEET EB-0188 GUIDELINES FOR THE PURPOSE OF SERVING NEW CUSTOMERS, BUT AN IRPA PROPOSAL COULD MEET THOSE GUIDELINES OF PI AND VOLUME PORTFOLIO, WHETHER ENBRIDGE WOULD CONSIDER THE IRPA	
J3.7		ENBRIDGE TO PROVIDE THE IMPLICATIONS OF DIFFERENT TREATMENT OF IRPAS BETWEEN REGULATORY ACCOUNTING AND FINANCIAL ACCOUNTING, SPECIFICALLY WITH RESPECT TO SOMETHING THAT'S RATE	

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		BASE, BUT NOT AN ASSET ON THE FINANCIAL STATEMENTS.	
J3.8		TO PROVIDE COMPARABLE FIGURES TO THOSE FOR TORONTO DOLLARS PER GIGAJoule FOR GAS AND ELECTRICITY AS THEY APPEAR ON PAGE 48 OF THE UPDATED REPORT FROM ICF, TO UPDATE THOSE FIGURES ASSUMING 170 DOLLARS PER TONNE COST OF CARBON	
DAY 4			
J4.1A	4/3	TO PROVIDE A COPY OF THE REPORT ENTITLED "PATHWAYS FOR BRITISH COLUMBIA TO ACHIEVE GHG REDUCTION GOALS" WITH A DESCRIPTION OF ITS CONCLUSIONS.	
J4.1B		TO CONFIRM THAT AVOIDED CARBON COMMODITY COSTS ARE NOT INCLUDED IN THAT CATEGORY	
J4.2		TO PROVIDE THE CALCULATION OF THE SOCIAL COST OF CARBON IN THE SEPTEMBER 2020 VERSION OF THE BCA HANDBOOK	
J4.3		TO ILLUSTRATE ON A BEST-EFFORTS BASIS HOW CARBON AND LCFS-RELATED REVENUES WOULD BE TREATED UNDER THE REVISED CONED BCA HANDBOOK.	
J4.4		UNDERTAKING NO. 4.4 WAS MISSING FROM THE TRANSCRIPT	
J4.5		TO INVESTIGATE WHETHER THE NON-UTILITY MEMBERS OF THE VERMONT SYSTEM PLANNING COMMITTEE GET PAID FOR THEIR PARTICIPATION	Mar 10/21
J4.6		TO ADVISE WHAT THE NEW YORK PSC HAD AS THE PRICE OF CARBON AS OF DECEMBER	Mar 10/21

Oral Hearing – March 1 - 4, 2021

Updated: March 10, 2021

<u>Undertaking</u>	<u>Date</u>	<u>DESCRIPTION</u>	<u>Response Date</u>
		31ST OR DECEMBER 30TH, 2020 AND WHAT THE NEW YORK DEC HAS SET AS THE PRICE FOR ALL PUBLIC ENTITIES AS OF DECEMBER 31ST, 2020.	

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EXHIBIT (K) LIST

<u>EXHIBIT</u>	<u>DATE</u>	<u>DESCRIPTION</u>
K1.1		POLLUTION PROBE COMPENDIUM
K1.2		ENVIRONMENTAL DEFENCE COMPENDIUM
K1.3		FRPO COMPENDIUM
K1.4		GEC COMPENDIUM
K1.5		OEB STAFF COMPENDIUM
K1.6		ANWAATIN COMPENDIUM
DAY 2		
K2.1	2/3	ENVIRONMENTAL DEFECNE COMPENDIUM
DAY 3		
K3.1	3/3	ENERGY PROBE COMPENDIUM
K3.2		OEB STAFF COMPENDIUM
DAY 4		
K4.1		ENBRIDGE COMPENDIUM
K4.2		CHRIS NEME'S C.V.

<u>EXHIBIT</u>	<u>DATE</u>	<u>DESCRIPTION</u>
K4.3		ENBRIDGE'S COMPENDIUM FOR MR. NEME