

ENBRIDGE GAS DISTRIBUTION INC. AND UNION GAS LIMITED

Undertaking of Mr. Culbert
To Mr. Quinn

REF: Tr.1, p.110.

Please populate the WAMS table with Enbridge data.

Response:

The table below provides the requested information.

Undertaking No. JT1.13
EGD Work & Asset Management (WAMS) Implementation
Cost Detail - April 4th, 2018

Capital	Planning	Design	Build / Test	Implement/ Warranty / Close	
Systems Consultants					
Systems Integrator (Deloitte/Interloc/Diabsolut)	\$1.7 M	\$6.6 M	\$13.7 M	\$3.5 M	
Other	2.4 M	3.0 M	21.5 M	1.4 M	
EGD Resources					
EGD Internal Resources	3.2 M	4.2 M	14.9 M	1.0 M	
PMO (included in Systems Consultants & EGD Resources)	-	-	-	-	
Other					
Software	3.7 M	1.7 M	0.3 M	0.0 M	
Hardware	0.2 M	2.1 M	0.6 M	0.0 M	
Other (includes Facilities, IDC)	1.2 M	1.9 M	3.2 M	0.0 M	
Phase Total	\$12.4 M	\$19.5 M	\$54.2 M	\$5.9 M	\$92.0 M Project Total