ost budget for energy syste	ems regulated by MNEC	, declare the follow B 1997 for New Construc	ing reduction in tion.	design energy c	ost compared to th	e energy	
This project has been re	eviewed and approved b	y an independent third pa	arty reviewer (ie.	Natural Resour	ces Canada)		
Energy Summary by	End Use	Energy Type		sed Building Intensity		e Building Intensity	Energy Saving
Pagulated Energy			[MJ]	[kWh/m²]	[MJ]	[kWh/m²]	[%
Regulated Energy Lighting		Electric	1,152,904	19.4	3,247,301	54.8	64%
Space Heating		Electric	2,166,685	36.5	Control of the Contro	737.4	95%
Space Cooling		Electric	1,550,498	26.2	1,627,819	27.5	5%
Pumps		Electric	2,698,135	45.5	975,265	16.4	-1779
Fans		Electric	5,207,213	87.8	5,764,626	97.2	109
Service Water Heati		Natural gas	530,072	8.9	445,949	7.5	-199
Other:	Enter End Use	Select a fuel	0	0.0	0	0.0	09
Other: Subtotal Regulated E	Enter End Use	Select a fuel	13,305,507	0.0 224.4	55,783,626	940.8	769
oudional mogaliance i			10,000,001	227.7	55,165,025	340.0	107
Non-Regulated Energ	gy						
Plug Loads	1= = =	Electric	3,829,136	64.6	3,829,136	64.6	0%
Other:	Enter End Use	Select a fuel	0	0.0	0	0.0	0%
Other: Subtotal Non-Regula	Enter End Use	Select a fuel	3,829,136	0.0 64.6	3.829.136	0.0 64.6	0%
oubtotal Non-Regula	illed Energy		3,023,130	04.0	3,029,130	04.0	07
Total Energy Summary	y	Propos Energy [MJ]	sed Building Cost [\$]	Refere Energy [MJ]	ence Building Cost [\$]	Percer Energy [%]	nt Saving Cos [%
Electricity		16,604,572	\$517,418	59,166,814	The state of the s	72%	739
Natural Gas		530,072	\$4,868	445,949	\$4,238	-19%	-159
Oil / Other Fuels		0	\$0	0	\$0	0%	0%
Total		17,134,644	\$522,286	59,612,763	\$1,885,902	71%	72%
Subtotal Regulated Energy Costs		13,305,507	\$402,966 (DEC')	\$1,764,125 (E	CB')	
Industrial/Process	Select a fuel	0		IEC ₁)	Enter IEC System 1		(IEC'
Energy Credit	Select a fuel	0		IEC ₂)	Enter IEC System 2		\$(
Renewable	Electric	739,796	\$23,053 (solarwall air heating		(REC
Energy Credit	Electric	422,181	\$13,156 (209 solar thermal collectors		\$36,20
Net Total		12,143,530	\$366,757		are conc. monney	0011001010	400,20
* GHG emission reduction for Canada) with an adjus ** Oil/Other Fuels emission	stment factor to account	for line losses, and upstron light oil emission factor	eam emissions.		250	GHG Redu 3585.7 to	
nave provided the following	a documentation to supp	Percent Savings =	100 x (ECB'		REC' \$ + IEC' ₁ \$ ints Awarded (I		79% 10
	90 INCOSEC						
A narrative listing the en	ergy saving measures i	ncorporated in the buildin	ng design.				
An electronic copy of the	e computer simulation fi	e and supporing docume	ntation that is re	quired for a CBI	P/IBIP project subi	mission	
						Points D	ocumente
A Cr 1 (10 possible points)	: Optimize Energy Perfo	ormance				roms De	1
	Name:						
	Organization:				The second second		
	Role in project:		F	-!			
	rtole in project.		Energy En	gineer			

CANMET MTL Labs

Date:

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