Energy Modelling Guidelines for Lumon Glass Balcony Enclosures

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An enclosed balcony provide numerous benefits, and serves as a passive buffer zone that enhances the thermal performance of the adjoining suite. This document focuses on the thermal performance of glass balcony enclosures, however, it is important to recognize that many of the additional benefits, such as enhanced comfort and habitability, may not be easily quantified.

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DISCLAIMER

This document is intended to provide guidance to energy modelling professionals and regulatory authorities in order to assess the thermal performance benefits associated with glass balcony enclosures. All of the thermal performance modelling assessments presented herein were conducted by the author in accordance with building performance simulation best practices. Users of these guidelines remain professionally responsible for performing all of their own work and exercising due diligence in accordance with requirements prescribed by codes, standards and/or the authority having jurisdiction. Neither the author nor Lumon Canada assume any responsibility for consequential loss, errors or omissions resulting from the information contained herein.

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Balcony enclosures provide access to views, light and air within a safe, comfortable space and represent one of the least expensive ways to expand the size and quality of apartment suites in a way that saves energy.

Executive Summary

This technical report presents a time efficient and cost effective methodology for assessing the energy performance enhancements provided by Lumon balcony enclosures during the early stages of design. It is based on the performance requirements currently set out in Version 4, Tier 1 of the Toronto Green Standard (TGS). The energy modelling software used in the example modelling application is IESVE Version 2021.4.0.0, and it is used to assess a typical condominium suite situated in Toronto, Ontario. The energy modelling considers two cases: 1) an open balcony as typically provided on new condominium projects; and 2) an enclosed balcony featuring the Lumon glazing system. Four principal solar orientations are considered along with two window-to-wall ratios (WWRs) of 40% and 80% to capture the full range of fenestration sizing. The contribution of enclosed balconies to enhanced energy performance is compared to TGS performance targets as summarized below.

Toronto Green Standard Version 4 Tier 1 Targets

TEUI (kWh/m2.yr)	135
TEDI (kWh/m2.yr)	50
GHGI (kg CO _{2@} /m2.yr)	15

40% WWR Summary of Performance

The average reduction in the three key TGS performance metrics is about 15% for the 40% WWR case, where the thermal insulation and window R-values for the base case open balcony option are near the minimum level needed for compliance. The average reduction in TEDI is most significant at 31% compared to an open balcony.

Average - 40% WWR	Open Balcony	Enclosed Balcony	Savings
TEUI (kWh/m2.yr)	114.1	101.3	11%
TEDI (kWh/m2.yr)	41.6	28.5	31%
GHGI (kg CO ₂₀ /m2.yr)	10.7	10.3	4%

80% WWR Summary of Performance

The average reduction in the three key TGS performance metrics is also about 15% for the 80% WWR case, where the thermal insulation and window R-values for the base case open balcony option are near the minimum level needed for compliance. The average reduction in TEDI is 29% compared to an open balcony.

Average - 80% WWR	Open Balcony	Enclosed Balcony	Savings
TEUI (kWh/m2.yr)	121.7	107.9	11%
TEDI (kWh/m2.yr)	45.9	32.4	29%
GHGI (kg CO _{2e} /m2.yr)	10.9	10.5	4%

Based on simulation results obtained by using this methodology, Lumon balcony enclosures are shown to be an effective means of complying with TGS performance targets. They represent feasible alternatives to increased levels of thermal insulation, envelope airtightness and window performance exceeding conventional practices currently applied to Toronto condominium building projects. Balcony enclosures also provide a high margin of flexibility to accommodate design changes to the enclosure without compromising compliance with TGS Version 4, Tier 1 performance targets. They are especially effective in reducing the thermal energy demand intensity for borderline building enclosures.

Background

Balconies are important in multi-unit residential buildings because they provide a connection between the indoors and outdoors without requiring direct access to an adjoining green space. But in cold climates like Canada, open balconies are often uncomfortable and unusable due to cold, wind and driving rain. Balcony enclosures provide an affordable means of achieving safe and comfortable balconies, both for new and existing apartment suites.



Glass enclosures moderate the balcony environment to extend habitability beyond the summer months to provide comfortable conditions during much of the spring and fall. Overheating in summer is avoided by opening the operable windows to ventilate

the balcony area, while in winter the enclosed balcony acts as a buffer space that helps retain solar gains.

Balcony Enclosure Benefits

There are many benefits associated with balcony enclosures that go beyond better energy efficiency. Most importantly, balcony enclosures permit inhabitants to adjust their operable glazing so that they can choose between an open balcony and a fully enclosed balcony and anywhere in between.

- Enclosed balconies provide a buffer between inside and outside and moderate heat transfers.
- In winter, a fully enclosed balcony with the operable glazing closed provides better comfort and energy savings for the indoor space.
- In summer, partially open glazing, along with shading devices such as blinds, combine for a comfortable balcony and indoor space, saving on space cooling energy.
- Unlike open air balconies, an enclosed balcony with variably operable windows and shading devices can be fine tuned by occupants to perfectly suit their comfort preferences.
- During rainy and/or windy weather, unlike open balconies, an enclosed balcony can still be enjoyed as a moderated indoor environment.
- Unwanted noise from traffic and aircraft is largely dampened by balcony enclosures.
- Enclosed balconies provide enhanced thermal resilience and help maintain habitable indoor temperatures during power outages that coincide with cold weather events.
- Enhanced security is provided by balcony enclosures that create a safer environment for children and pets.
- Balcony enclosures protect against wind borne projectiles caused by extreme wind events.
- The durability of balconies is enhanced because balcony enclosures provide protection against the elements and exposure to natural forces that deteriorate building elements.
- Enclosed balconies reduce the risk of fire spreading from adjoining units.



An enclosed balcony can serve as a wintergarden in which hardy plants may continue to thrive while also protecting the balcony and its furnishings from the elements.

Overview

Enclosed balconies represent passive systems in buildings that can be adjusted to suit the needs of their inhabitants. They do not require any external inputs of energy to deliver performance in terms of energy efficiency and comfort. Unlike active systems, such as heating, cooling and ventilation equipment, that do not function when there is a power outage, balcony enclosures continue to deliver all of their benefits all of the time.



Proportional Contribution to Sustainability

Balcony enclosures represent cost effective means of enhancing the sustainability of buildings because they are passive systems that do not require any energy inputs to moderate the indoor climate. They provide numerous benefits on a year-round basis and continue to function during power outages and extreme weather events.

From a sustainability perspective when taking into account the life cycle of buildings, investments in lean technologies are far more cost effective than those devoted towards green and clean technologies. The emerging building design thinking supports the view that buildings should be as passive as possible with active systems only playing a supplementary role to the minimum extent possible. Not only does this approach make buildings more energy efficient, but it also makes them more affordable in the long run while providing enhanced comfort and thermal resilience.

Thermal Resilience

Due to climate change there is now a sharp increase in the frequency and intensity of extreme weather events that can endanger inhabitants of buildings with poor thermal resilience. During extreme cold weather events accompanied by extended power outages, may residents have had to abandon their buildings because they quickly became to cold to inhabit. Balcony enclosures positively contribute towards two indicators of thermal resilience: passive habitability; and thermal autonomy.

Passive Habitability

Passive Habitability (PH) is a measure of the duration of time that an indoor space remains habitable following a prolonged power outage coinciding with an extended period of extreme weather.

Thermal Autonomy

Thermal Autonomy (TA) -is a measure of the fraction of time during a year that a building can passively maintain comfort conditions without active system energy inputs.

Balcony enclosures act as a buffer between indoors and outdoors reducing the rate of heat transfer. During cold weather, the apartment suite will require less heating energy input and in the event of a power outage, it will stay habitable much longer.

This reduction in heat transfer also increases the thermal autonomy of a building so that it represents a lesser burden on energy infrastructure since its energy demand have decreased. Downsized equipment and the capacities of energy supplies may provide significant avoided costs for a building project, but also to the energy grid's infrastructure.

In this guidelines document, the focus is on energy efficiency and how balcony enclosures can help contribute to compliance with energy code performance targets. But it is important to appreciate that a full accounting of the benefits, avoided costs and marketing benefits associated with balcony enclosures will yield a different assessment than looking at the cost effectiveness of energy savings alone.

Thermal resilience has not been incorporated into building codes and standards even though its importance is widely acknowledged. This does not prevent users of this guideline to conduct the assessment of thermal resilience in order to capture all the thermal performance benefits associated with balcony enclosures.



General Energy Modelling Methodology

This guidance document primarily focuses on balcony enclosures for new building projects, but the general methodology is applicable to existing buildings that are retrofit with balcony enclosures. It is assumed that users of this document are knowledgeable energy modellers familiar with conducting simulations for the purposes of code compliance. As such, these guidelines will only focus on how to model balcony enclosures as part of an energy modelling exercise for an entire building.

General Methodology

This general methodology applies to new buildings but may be easily adapted to existing buildings.

For new buildings, developers and designers are obliged to comply with energy efficiency requirements in applicable codes and standards within their jurisdiction. Typically, this requires a whole building energy model to be developed and run to ensure mandatory energy performance targets are satisfied. At this point, the addition of glass balcony enclosures may be considered in order to assess their contribution to enhanced energy performance. It is important to note that it is not necessary to assess the performance benefits of balcony enclosures by applying them to the entire building energy model. A separate energy model for a typical suite is a far more efficient way to investigate balcony enclosure performance enhancements.

In existing buildings, balcony enclosures are usually considered as a part of a comprehensive retrofit program for the building where a number of energy conservation measures are assessed for their feasibility and cost effectiveness. For such situations, a whole building energy model that incorporates all typical energy conservation measures may be developed. But the assessment of balcony enclosures only needs to be conducted for a typical suite after a package of conventional energy conservation measures has been decided, similar to what is done in new building projects. This approach can also be deployed where only balcony enclosures are being considered for an existing building where no other retrofits are contemplated, or that has had prior retrofit measures applied.

The key to economically and efficiently assessing the energy performance of balcony enclosures is to examine a typical case in a given building, and then if the indications are favourable, to extend this to a whole building energy model.

This guideline is solely intended to promote the proper energy modelling of enclosed balconies, above and beyond performance simulations used for code compliance purposes. It is aimed at providing an economical and efficient means of assessing the thermal benefits of balcony enclosures for buildings.

Step-by-Step Guide

This step-by-step guide will be followed by an example application. It is assumed that in the vast majority of cases, this methodology will be applied to multi-unit residential buildings with balconies.

- For new buildings, establish a baseline case for a suite with an unenclosed balcony that complies with applicable energy code requirements. (Note: It is advisable to model the worst-case scenario, typically a north facing suite with the highest exposed wall area and window-to-wall ratio in the proposed building.) For existing buildings, the in-situ condition of a typical suite with an unenclosed balcony should be used as the basis of assessment.
- 2. For each solar orientation (e.g., north, south, east, west), energy model the typical suite with an open balcony and obtain key energy performance metrics such as energy use intensity (EUI), thermal energy demand intensity (TEDI) and greenhouse gas intensity (GHGI). Peak heating load energy demand may also be of interest if a new space heating system is being contemplated. These constitute the baseline cases.
- 3. Apply the proposed balcony enclosure in a subsequent energy model and run the revised energy model for each of the building face solar orientations.
- 4. Analyze and summarize energy performance benefits according to key metrics required by the authority having jurisdiction (e.g., Toronto Green Standard or BC Energy Step Code). Optionally, conduct a sensitivity analysis to identify potential tradeoffs between energy conservation measures that are associated with the energy performance benefits afforded by balcony enclosures.
- 5. If balcony enclosures are selected for the building project, then extend the typical balcony enclosure models to the entire building energy model as required. Proceed with code compliance modelling as per usual.

Modelling Protocols

Several critical modelling protocols are necessary to observe when applying these guidelines in practice. First, the baseline case must accurately reflect what would normally be constructed or presently exists (e.g., opaque balcony guards, etc.). For existing buildings, reasonable estimates of enclosure thermal properties and airtightness must be applied. Second, for the enclosed balcony case it must be assumed the balcony enclosure is fully shut during the heating season and fully open during the cooling season. Occupants may use the enclosures differently, but this assumption helps gauge the full potential benefits of balcony enclosures. Third, all energy modelling best practices should be observed, such as the inclusion of thermal bridging at balcony slabs.

The example that follows considers the energy performance benefits associated with a balcony enclosure in a new condominium building project.



Example Modelling Application

This example is based on typical condominium suite situated in Toronto, Ontario. The energy performance of the condominium must comply with Version 4, Tier 1 of the Toronto Green Standard (TGS). The energy modelling for this example has been conducted using IESVE Version 2021.4.0.0 whole building performance simulation software. Other approved software, such as EnergyPlus, may also be used to assess the performance of balcony enclosures. Check with the authority having jurisdiction for a list of acceptable software for compliance modelling purposes.



Schematic of example energy model for a typical condominium suite indicating suite dimensions, window-to-wall ratio for glazed façade and size of balcony. Note that the tributary corridor area assigned to the suite that must be included in the energy modelling of the suite.

This example begins with an 80 m² suite which has a 6 m by 2 m open balcony featuring a glass guard (not shown). Based on a typical double loaded corridor with a shared elevator lobby, the tributary area of the hallway corridor has been estimated to be 12 m^2 – thus the total conditioned floor area for energy modelling purposes is 92 m^2 , however different ventilation rates and heating systems apply to each for the calculation of TEUI and TEDI.

In order to attempt to satisfy TGS v4 Tier 1 targets (EUI 135, TEDI 50, GHGI 15) for all orientations, the following data were input to the energy model for the base case suite having an open balcony: Glazing U-Value 2.1 W/m².K, SHGC 0.35; Exterior opaque wall effective RSI 0.88 (R-5); Electric boilers for the suite; Make-up air unit (MAU) for corridors uses a gas furnace; DX cooling for both suite and corridors; Outdoor air for suite is 25 L/s (50 CFM), corridor tributary area 12.5 L/s (25 CFM); air leakage is 0.25 L/(s.m².fac) as required by TGS modelling guidelines.

For the unconditioned enclosed balcony space, Lumon provides the following properties: the U-Value of the glazing is 5.6 W/m².K; SHGC 0.78 (clear glazing). The balcony enclosure 60% operable glazing is modelled as fully open during summer (May-September) and closed for the remainder of the year. Since the balcony zone is modelled as a void without no internal gains and air conditioning, air leakage is not defined for the balcony – instead a default value for a leaky enclosure is input to the model. area, but IES assumes it quite leaky (I need to search more if we are looking for a certain value here).

Thermal bridging for the external surface of the suite must be considered for both the opaque and glazed exterior wall area, including the effect of the balcony slab, to arrive at an accurate effective thermal resistance value.

In order to fully assess the performance of the balcony enclosure, 8 cases were simulated for the four cardinal solar orientations and two window-to-wall ratios -40% and 80%. It is important to note that since the assessment of the balcony enclosure performance is most likely to take place during the early stages of design, sufficient latitude must be afforded to the designer/developer in terms of window-to-wall ratio.

Balcony enclosures can contribute to improving the energy efficiency of the whole building in order to more easily comply with performance targets set out in energy codes.

Another issue to consider is the contribution of the balcony enclosure to the compliance of the building with energy codes. In some cases, the balcony enclosure will help a conventional building enclosure system comply with a higher performance standard such that little upgrading of standard practices is warranted. In other cases, the balcony enclosure can significantly enhance the performance of a building enclosure system that already complies with applicable energy codes. One question that arises is: should every suite individually comply with performance targets, or should only the average of the suite/balcony solar orientations comply? This remains more of a marketing issue than a building science question.





This photo depicts a Lumon balcony enclosure that matches the type used for this example modelling application. Only the operable glazing units have air spaces between each unit – the lower fixed glazing is effectively sealed and continuous.

Energy Modelling Assumptions

The energy modelling assumptions for balcony enclosures are related to the energy modelling conventions used within a particular authority having jurisdiction. Code requirements for minimum levels of energy efficiency will drive many of the assumptions used to model energy performance.

In this example, a typical condominium building located in Toronto, Ontario has been selected. Based on the current regulatory requirements this building must comply with Tier 1 of Version 4 of the Toronto Green Standard. Specifically, it must satisfy the following performance targets:

Toronto Green Standard Version 4 Tier 1 Targets

Thermal Energy Use Intensity - TEUI (kWh/m ² .yr)	135
Thermal Energy Demand Intensity - TEDI (kWh/m ² .yr)	50
Green House Gas Intensity - GHGI (kg CO _{2e} /m ² .yr)	15

Typical Condominium Suite

Based on typical characteristics for condominium buildings designed to comply with Tier 1, Version 4 of the Toronto Green Standard, the following assumptions were used in the energy modelling.

R-value of opaque wall	0.88 m ² .K/W
U-value of Glazing	2.1 W/m ² .K
Solar Heat Gain Coefficient (SHGC)	0.35
Ventilation	Suite - 25 L/s (50 CFM)
	Corridor - 12.5 L/s (25 CFM)
Air Leakage	0.25 L/(s.m ² .fac)
Space Heating	Suite - electric boilers
	Corridors – gas-fired MAUs
Space Cooling	Minimum efficiency DX cooling for both
	suite and corridors
Important Note: Effective U-values and	R-values accounting for thermal
bridging effects must be used in energy	models.

Lumon Glass Enclosure Properties

U-value of Glass	5.6 W/m ² .K
Solar Heat Gain Coefficient (SHGC)	0.77
Air Leakage Area	4 mm gap around each operable unit
Operable Units	6 units each 1.6 m height by 0.75 m
	width + 4 units each 1.6 m height by
	1.0 m width (60% of enclosure area)
Fixed Lower Units	1 m height (40% of enclosure area)
The balcony enclosure 60% operable g	lazing is modelled as fully open during
summer (May-September) and closed f	or the remainder of the year.

Emission Factors

Targets for the greenhouse gas emissions vary from jurisdiction to jurisdiction. In this example, emission factors prescribed in the Toronto Green Standard and supplements to the Ontario Building Code were used. Check with the local authority having jurisdiction to obtain correct emission factors.

In this example, it was assumed the building facades coincided with the four cardinal solar orientations. The actual solar orientations for a particular project should be used as applicable. For the performance results summarized on the next page, energy simulations for 8 cases of unenclosed and enclosed balconies were conducted for the four cardinal solar orientations and two window-to-wall ratios – 40% and 80%. This yielded for a total of 16 cases – 8 for unenclosed balconies and 8 for enclosed balconies. The results were also averaged across the 4 solar orientations. Complete results for the simulations are available in Appendix A.



Summary of Performance Assessments

A summary of the performance results in relation to the Toronto Green Standard targets are indicated below, for both the 40% WWR and 80% WWR cases.

80% WWR Summary of Performance

				South - 80% WWR Open Balcony Enclosed Balcony Savings
Toronto Green Star	ndard Version 4 1	Tier 1 Targets		TEUI (kWh/m2.yr) 117.3 105.8 10%
TELU $/kW/h/m^2$ yr)		125		TEDI (kWh/m2.yr) 41.7 29.2 30%
		133		GHGI (kg CO _{2e} /m2.yr) 10.8 10.5 3%
TEDI (KWN/m2.yr)		50		
GHGI (kg CO _{2e} /m2.y	vr)	15		
				West - 80% WWR Open Balcony Enclosed Balcony Savings
40% WWR Summary	of Performance			TEUI (kWh/m2.yr) 123.7 109.6 11%
				TEDI (kWh/m2.yr) 46.4 32.7 29%
South - 40% WWR	Open Balcony	Enclosed Balcony	Savings	GHGI (kg CO _{2e} /m2.yr) 11.0 10.6 4%
TEUI (kWh/m2.yr)	110.6	98.5	11%	
TEDI (kWh/m2.yr)	38.6	25.5	34%	
GHGI (kg CO _{2e} /m2.yr)	10.6	10.2	3%	North - 80% WWR Open Balcony Enclosed Balcony Savings
				TEUI (kWh/m2.yr) 122.8 107.8 12%
				TEDI (kWh/m2.yr) 49.6 35.5 28%
West - 40% WWR	Open Balcony	Enclosed Balcony	Savings	GHGI (kg CO _{2e} /m2.yr) 11.0 10.5 4%
TEUI (kWh/m2.yr)	115.0	102.3	11%	
TEDI (kWh/m2.yr)	41.9	28.8	31%	
GHGI (kg CO _{2e} /m2.yr)	10.7	10.4	4%	Fast - 80% W/WR Onen Balcony Enclosed Balcony Savings
				TELU $(kWh/m^2 vr)$ 123.1 108.3 12%
				TEDI (kWh/m2 yr) 45.9 32.2 30%
North - 40% WWR	Open Balcony	Enclosed Balcony	Savings	$GHGL(kg(\Omega_{a}/m2)yr) = 11.0 = 10.5 = 4\%$
TEUI (kWh/m2.yr)	116.0	102.6	12%	
TEDI (kWh/m2.vr)	44.3	31.3	29%	
GHGI (kg CO ₂₂ /m2.vr)	10.8	10.4	4%	Average - 80% W/W/R Onen Balcony Enclosed Balcony Savings
		-		Tell ($kWb/m^2 vr$) 121.7 107.9 11%
				TEDI $(kWh/m2.yr)$ 45.9 32.4 29%
East 40% \A/\A/D	Onon Palcony	Enclosed Palcony	Souings	GHGL(kg(0)/m2)(r) = 10.9 = 10.5 = 4%
			110/	
	114.0	101.7 20 E	220/	In both the 40% and 80% WWR cases, balcony enclosures provide significant savings for the TELIL TEDI and
	41.7	28.5	52%	GHGI performance metrics. It is important to note that without balcony enclosures, the typical condominium
	10.7	10.5	4 70	enclosure system with unenclosed balconies would not satisfy the TGS targets in all cases, hence upgrades to
				the building envelope would be necessary. However, with the addition of enclosed balconies, all the targets for
				the entire range of window-to-wall ratios are satisfied. This example reinforces the energy efficiency design
Average - 40% WWR	Open Balcony	Enclosed Balcony	Savings	flexibility that is afforded by balcony enclosures.
IEUI (KWh/m2.yr)	114.3	1 101.	3 11%	Poter to Appendix A for detailed regults from this operative modelling events
TEDI (kWh/m2.yr)	41.6	b 28.	5 31%	Refer to Appendix A for detailed results from this energy modelling example.
GHGI (kg CO _{2e} /m2.yr)	10.7	7 10.3	3 4%	



Modelling of Existing Buildings

Most of the process for modelling the addition of balcony enclosures to existing buildings is the same as that employed for new buildings. However, the existing enclosure and HVAC systems must be carefully assessed in order to arrive at an accurate estimate of the performance enhancement resulting from balcony enclosures, as well as any other energy conservation measures. Normally, the base case energy model is calibrated so that it predicts the actual performance of the existing building with reasonable accuracy. This requires that the annual energy bills are analyzed and the actual weather data for the corresponding year are used in the energy model. Any additional energy conservation measures may also be included in the energy model for the retrofit cases under consideration. Usually, an optimal combination of measures is revealed in this process.



This existing multi-unit residential building has unenclosed balconies and is beginning to show signs of and aging façade. It is a candidate for a comprehensive retrofit to address updating of its appearance and performance.

As noted previously in this guideline, the energy benefits are not always the primary consideration associated with balcony enclosures. The appeal and marketability of a retrofit building can yield higher rents and lower vacancy rates. Deterioration of the balcony slabs can also be better avoided since wetting and freeze/thaw cycles are greatly minimized. However, since a number of incentives for energy conservation measures are offered in numerous jurisdictions, it is important to properly assess the full extent of energy benefits provided by balcony enclosures.

The retrofit building now features an updated façade and enclosed balconies that will improve energy efficiency, comfort and durability.

Synopsis

Building performance simulation software that is now widely available can accurately model the contribution to thermal performance improvements provided by enclosed balconies. Since most jurisdiction today require compliance with increasingly stringent performance targets in energy codes, it makes sense to incorporate the assessment of balcony enclosures at the early stages of design to optimize compliance.

For millennia, the addition of a buffer space to the outside of buildings has been recognized to provide numerous benefits and while many of these cannot be captured by building performance simulation software, these are highly valued not only by inhabitants of multi-unit residential buildings, but also by their owners and investors.

This guideline focuses on an accurate and efficient means of energy modelling for balcony enclosures only, hence issues related to cost-benefit analysis remain beyond the scope of this publication. However, it is noteworthy that if the only benefits afforded by balcony enclosures were energy savings, then they might not support a convincing business case. However, when the improvements to thermal resilience and balcony durability are viewed from a life cycle perspective, their value is more fully appreciated. Countless building projects have incorporated balcony enclosures for such good reasons.

Balcony enclosures address the weak links in highly glazed apartment buildings to balance aesthetics, comfort and occupant wellbeing with environmentally responsible performance.

Key Points

- Balcony enclosures significantly enhance the thermal performance of the adjoining suites they serve and extend the habitability of the balcony area.
- Proper energy modelling at the early stages of design can reveal the thermal benefits of balcony enclosures and their contribution to achieving energy code performance targets.
- By observing energy modelling guidelines set out in applicable energy codes and working with simplified schematics of typical suites, assessments of the potential benefits of balcony enclosures can be conducted efficiently and economically.
- The enhancement of thermal performance provided by balcony enclosures should be balanced with all their other benefits in order to arrive at a holistic assessment of their true value proposition.

Appendix A Energy Modelling Results for Example Balcony Enclosure - Toronto ON

40% WWR – South & West

South - 40% WWR - Open Balcony

	Interior Linkting O	they Droness	Canada Hanting	Cases Heating	Cassallastina	Fornian Water Heating F	ere Ceeline II	ant Dejection In	tariar Control Form In	torior I and Fana I	where the D					a AplB/AC besting		Suite Energy	Emissions
Date	(MWh)	(MWh)	(MWh)	Natural Gas (MWh)	Electricity (MWh)	Natural Gas (MWh)	(MWh)	(MWh)	(MWh)	(MWh)	(MWh) (I	MWh)		Date	heating load (MWh	 coils load (MWh) 	Electricity	5.7343	0.03
Jan 01-31	0.0898	0.0719	0.8379	0.226	0.6119	0	0.0009	0.0001	0.0378	0.0363	0	0		Jan 01-31		0 0.8153	Natural Gas	4.4413	0.18085714
Feb 01-28	0.0818	0.0651	0.6845	0.1854	0.4991	0	0.0025	0.0002	0.0341	0.0318	0	0		Feb 01-28		0 0.666			
Apr 01-30	0.0312	0.0699	0.2689	0.0692	0.1997	0	0.0043	0.0002	0.0378	0.0205	0	0		Apr 01-30		0 0.262			
May 01-31	0.0898	0.0719	0.0786	0.0183	0.0603	0	0.0306	0.002	0.0378	0.0138	0	0		May 01-31		0 0.0767			
Jun 01-30	0.0881	0.0699	0.007	0.0008	0.0063	0	0.066	0.0042	0.0366	0.0148	0	0		Jun 01-30		0 0.007			
Jul 01-31	0.0906	0.0721	0	0	0	0	0.112	0.0072	0.0378	0.0205	0	0		Jul 01-31		0 0			
Sep 01-30	0.0904	0.0699	0.0197	0.0001	0.0156	0	0.0914	0.0029	0.0378	0.0171	0	0		Sep 01-30		0 0.0193			
Oct 01-31	0.0898	0.0719	0.1722	0.0399	0.1322	0	0.025	0.0016	0.0378	0.0193	0	0		Oct 01-31		0 0.1682			
Nov 01-30	0.0881	0.0699	0.3351	0.0889	0.2462	0	0.0095	0.0006	0.0366	0.0238	0	0		Nov 01-30		0 0.3262			
Dec 01-31	0.0912	0.0723	0.7084	0.1818	0.5265	0	0.0018	0.0001	0.0378	0.0337	0	0	10 1756	Dec 01-31		0 0.6902			Emissions (kg)
IULdi	1.0009	0.6492	5.0459	0.9015	2.0625	5.46	0.5952	0.0251	0.4452	0.2722	A	rea	92	TOLAI	Area	92		Area	92
											т	EUI	110.6043		TEDI	38.56195652		GHGI	10.600759
South - 40% V	/WR - Enclosed Balco	DV.										,	(Wh/m².yr			kWh/m².yr			kg CO _{2e} /m2.yr
50411 4070		,																Suito Enorm	Emirricor
	Interior Lighting O	ther Process	Space Heating	Space Heating	Space Heating	Service Water Heating Sp	ace Cooling H	eat Rejection In	terior Central Fans In	terior Local Fans B	xhaust Fans P	umps			ApHVAC room unit	s ApHVAC heating		(MWh)	(kg/MWh)
Date	(MWh)	(MWh)	(MWh)	Natural Gas (MWh)	Electricity (MWh)	Natural Gas (MWh)	(MWh)	(MWh)	(MWh)	(MWh)	(MWh) (I	MWh)		Date	heating load (MWh	 coils load (MWh) 	Electricity	4.6231	0.03
Jan 01-31	0.0898	0.0719	0.6034	0.226	0.3774	0	0.0036	0.0002	0.0378	0.0257	0	0		Jan 01-31		0 0.5808	Natural Gas	4.4413	0.18085714
Feb 01-28 Mar 01-31	0.0818	0.0651	0.4789	0.1854	0.2935	0	0.0064	0.0004	0.0341	0.0219	0	0		Feb 01-28 Mar 01-31		0 0.4604			
Apr 01-30	0.0881	0.0699	0.1524	0.0692	0.0832	0	0.0166	0.0011	0.0366	0.0123	0	0		Apr 01-30		0 0.1455			
May 01-31	0.0898	0.0719	0.033	0.0183	0.0147	0	0.0457	0.0029	0.0378	0.0107	0	0		May 01-31		0 0.0312			
Jun 01-30	0.0881	0.0699	0.0008	0.0008	0	0	0.085	0.0054	0.0366	0.0153	0	0		Jun 01-30		0 0.0007			
Jul 01-31 Aug 01-31	0.0906	0.0721	0 0001	0 0001	0	0	0.1324	0.0085	0.0378	0.0213	0	0		Jul 01-31 Aug 01-31		0 0			
Sep 01-30	0.0881	0.0699	0.007	0.0041	0.0029	0	0.069	0.0044	0.0366	0.0139	0	Ő		Sep 01-30		0 0.0066			
Oct 01-31	0.0898	0.0719	0.1	0.0399	0.0601	0	0.0321	0.002	0.0378	0.0138	0	0		Oct 01-31		0 0.096			
Nov 01-30	0.0881	0.0699	0.2175	0.0889	0.1286	0	0.0131	0.0008	0.0366	0.0159	0	0		Nov 01-30		0 0.2086			F
Dec 01-31 Total	1.0669	0.0723	2 4389	0.1818	0.3243	3.48	0.0034	0.0002	0.0378	0.0235	0	0	9.0644	Dec 01-31 Total		0 0.488			0 94193383
1014	1.0005	0.0452	2.4505	0.5015	1.4770	5.40	0.5577	0.0545	0.4452	0.2.122	Ā	rea	92	Total	Area	92		Area	92
											т	EUI	98.52609		TEDI	25.46521739		GHGI	10.2384112
												,	cWh/m*.yr			kWh/m*.yr			kg CO ₂₀ /m2.yr
West - 40% W	WR-Open Balcony																		
West - 40% W	WR-Open Balcony																	Suite Energy	Emissions
West - 40% W	Interior Lighting O	ther Process	Space Heating	Space Heating	Space Heating	Service Water Heating Sp	ace Cooling H	eat Rejection In	terior Central Fans In	terior Local Fans B	xhaust Fans P	umps			ApHVAC room unit	s ApHVAC heating		Suite Energy (MWh)	Emissions (kg/MWh)
West - 40% W Date	MR-Open Balcony Interior Lighting O (MWh) 0.0898	ther Process (MWh)	Space Heating (MWh)	Space Heating Natural Gas (MWh)	Space Heating Space Heating Space Heating Space Heating Space Spac	Service Water Heating Sp Natural Gas (MWh) 0	ace Cooling H (MWh)	eat Rejection In (MWh)	terior Central Fans In (MWh) 0.0378	terior Local Fans B (MWh)	xhaust Fans P (MWh) (I	umps MWh)		Date	ApHVAC room unit heating load (MWH	s ApHVAC heating) coils load (MWh) 0 09137	Electricity	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Date Jan 01-31 Feb 01-28	WR-Open Balcony Interior Lighting O (MWh) 0.0898 0.0818	ther Process (MWh) 0.0719 0.0651	Space Heating (MWh) 0.9363 0.7497	Space Heating Natural Gas (MWh) 0.226 0.1854	Space Heating Electricity (MWh) 0.7103 0.5642	Service Water Heating Sp Natural Gas (MWh) 0 0	ace Cooling H (MWh) 0 0.0006	eat Rejection In (MWh) 0 0	terior Central Fans In (MWh) 0.0378 0.0341	terior Local Fans 8 (MWh) 0.0395 0.0334	xhaust Fans P (MWh) (I 0 0	umps MWh) 0 0		Date Jan 01-31 Feb 01-28	ApHVAC room unit heating load (MWH	s ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31	WR-Open Balcony Interior Lighting C (MWh) 0.0898 0.0818 0.0912	ther Process (MWh) 0.0719 0.0651 0.0723	Space Heating (MWh) 0.9363 0.7497 0.5499	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468	Space Heating 5 Electricity (MWh) 0.7103 0.5642 0.4031	Service Water Heating Sp Natural Gas (MWh) 0 0 0	ace Cooling H (MWh) 0 0.0006 0.0029	eat Rejection In (MWh) 0 0 0.0002	terior Central Fans In (MWh) 0.0378 0.0341 0.0378	terior Local Fans 8 (MWh) 0.0395 0.0334 0.0278	xhaust Fans P (MWh) (I 0 0 0	umps MWh) 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31	ApHVAC room unit heating load (MWF	s ApHVAC heating) coils load (MWh) 0 0.9137 0 0.7311 0 0.5352	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30	WR - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0912 0.0881 0.0902	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0568	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0692	Space Heating 5 Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0876	Service Water Heating Sp Natural Gas (MWh) 0 0 0 0 0	ace Cooling H (MWh) 0 0.0006 0.0029 0.0089	eat Rejection In (MWh) 0 0.0002 0.0006 0.0006	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366 0.0376	terior Local Fans B (MWh) 0.0395 0.0334 0.0278 0.019	xhaust Fans P (MWh) (I 0 0 0 0	umps MWh) 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30	ApHVAC room unit heating load (MWF	s ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.00	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30	WR-Open Balcony Interior Lighting C (MWh) 0.0898 0.0818 0.0912 0.0881 0.0898 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0678 0.0035	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0692 0.0183 0.0008	Space Heating 2 Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0495 0.0027	Service Water Heating Sy Natural Gas (MWh) 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0.0006 0.0029 0.0089 0.0444 0.087	eat Rejection In (MWh) 0 0.0002 0.0006 0.0028 0.0056	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366	terior Local Fans B (MWh) 0.0395 0.0334 0.0278 0.019 0.0156 0.0175	Exhaust Fans P (MWh) (I 0 0 0 0 0 0 0 0 0 0 0	umps MWh) 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30	ApHVAC room unit heating load (MWH	s ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.0066 0 0.0034	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31	WR-Open Balcony Interior Lighting C (MWh) 0.0898 0.0818 0.0881 0.0881 0.0881 0.0906	ther Process (MWh) 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721	Space Heating (MWh) 0.9363 0.7497 0.2568 0.0678 0.0035 0	Space Heating Natural Gas (MWh) 0.1854 0.1854 0.1468 0.0692 0.0183 0.0008 0	Space Heating 5 Electricity (MWh) 0.5642 0.4031 0.1876 0.0495 0.0027 0 0	Service Water Heating Sy Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0.0006 0.0029 0.0089 0.0089 0.0444 0.087 0.1383	eat Rejection In (MWh) 0 0.0002 0.0006 0.0028 0.0028 0.0056 0.0088	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378	terior Local Fans B (MWh) 0.0395 0.0334 0.0278 0.019 0.0156 0.0175 0.0246	Exhaust Fans P (MWh) (I 0 0 0 0 0 0 0 0 0 0 0	umps MWh) 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31	ApHVAC room unit heating load (MWF	s ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.066 0 0.0034 0 0 0	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Aug 01-31 Aug 01-31	WR-Open Balcony Interior Lighting C (MWh) 0.0898 0.0818 0.0881 0.0881 0.0881 0.0906 0.0904	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0721	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0678 0.0035 0 0.0031	Space Heating Natural Gas (MWh) 0.1854 0.1468 0.0692 0.0183 0.0008 0 0.00001	Space Heating Electricity (MWh) 0.5642 0.4031 0.1876 0.0495 0.0027 0 0 0 0 0 0 0 0 0	Service Water Heating Sş Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166	eat Rejection In (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0054	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378	terior Local Fans f (MWh) 0.0395 0.0334 0.0278 0.019 0.0156 0.0175 0.0246 0.0212	Exhaust Fans P (MWh) (I 0 0 0 0 0 0 0 0 0 0 0 0 0	umps WWh) 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31	ApHVAC room unit heating load (MWH	s ApHVAC heating ociisload (MWM) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.0666 0 0.0034 0 0 0	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31	WR-Open Balcony Interior Lighting O (WWh) 0.0818 0.0818 0.0912 0.0881 0.0898 0.0881 0.0896 0.0906 0.0904 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0699 0.0721 0.0699 0.0721	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0678 0.0035 0 0.0001 0.0001 0.0229 0.1915	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0692 0.0183 0.0001 0.0001 0.0001 0.0001	Space Heating 5 Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0495 0.0027 0 0 0.0127 0 0 0.0128 0 0.01516	Service Water Heating Sy Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138	eat Rejection In (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans ((MWh) 0.0395 0.0334 0.0278 0.0175 0.0246 0.0212 0.0125 0.0212 0.0125 0.0195	Exhaust Fans P (MWh) (I 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rumps MWh) 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Ort 01-31	ApHVAC room unit heating load (MWH	s ApHVAC heating ocils load (MWh) 0 0.7317 0 0.7311 0 0.5352 0 0.066 0 0.0034 0 0 0 0 0 0 0 0 0 0.0225 0 0.1875	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30	WR - Open Balcony Interior Lighting C (MWh) 0.0898 0.0818 0.0881 0.0904 0.0881 0.0898 0.0881 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0699 0.0719 0.0699	Space Heating (MWh) 0.7497 0.5499 0.2558 0.0678 0.0035 0 0.0001 0.0229 0.1915 0.3888	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0001	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.0495 0.0025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Service Water Heating Sr Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006	eat Rejection In (MWh) 0 0.0002 0.0005 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009 0	terior Central Fans In (MWh) 0.0378 0.0346 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans I (MWh) 0.0395 0.0334 0.0278 0.0156 0.0175 0.0242 0.0242 0.0125 0.0125 0.0258	Exhaust Fans P (MWh) (I 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps WWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30	ApHVAC room unit	s ApHVAC heating ocils load (MWh) 0 0.9137 0 0.7311 0 0.05352 0 0.0499 0 0.066 0 0.0034 0 0 0 0 0 0 0 0.0225 0 0.1875 0 0.3799	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31	WR - Open Balcony Interior Lighting ((MWh) 0.0898 0.0818 0.0912 0.0881 0.0983 0.0881 0.0986 0.0904 0.0898 0.0888 0.0881 0.0988 0.0881 0.0981	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0699 0.0719 0.0699 0.0723	Space Heating (MWh) 0.3363 0.7497 0.2568 0.0678 0.0005 0 0.0001 0.0229 0.1915 0.3888 0.7838	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0088 0.0001 0.0001 0.0001 0.3399 0.0889 0.1818	Space Heating Electricity (MWh) 0.5403 0.4031 0.4874 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0498 0.1516 0.3 0.0519	Service Water Heating Sy Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0138 0.0138 0.0006 0	eat Rejection In (MWh) 0 0.0002 0.0005 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009 0 0	terior Central Fans In (MWh) 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans I (MWh) 0.0395 0.0344 0.0274 0.0156 0.0175 0.0246 0.0212 0.0125 0.0125 0.0258 0.0361	Exhaust Fans P (MWh) (I 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31	ApHVAC room unit	ApHVAC heating colls load (MWh) 0 colls load (MWh) 0 0.9137 0 0.5352 0 0.2439 0 0.0056 0 0.0034 0 0 0 0 0 0.0225 0 0.1875 0 0.3799 0 0.7556	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg)
West - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	WK - Open Balcony Interior Lighting, C (MWh) 0.0898 0.0818 0.0881 0.0881 0.0881 0.0881 0.0904 0.0881 0.0888 0.0881 0.0881 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0699 0.0721 0.0699 0.0719 0.0699 0.0719 0.0699	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0678 0.0001 0.0229 0.1929 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0041 0.0399 0.0889 0.1818 0.9613	Space Heating Electricity (MWh) 0.7103 0.5642 0.0495 0.0495 0.027 0 0 0.01876 0.027 0 0 0.01876 0.021 0 0.01816 0.33 0.6019 2.9896	Service Water Heating S; Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0029 0.0087 0.0444 0.087 0.1166 0.0492 0.0138 0.0006 0 0.04623	eat Rejection In (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009 0 0 0.0295	terior Central Fans In (MWh) 0.0378 0.0341 0.0366 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans 8 (MWh) 0.0395 0.0334 0.0278 0.0175 0.0276 0.0175 0.0246 0.0212 0.0125 0.0125 0.0125 0.0125 0.0258 0.0361 0.2924	Exhaust Fans P (MWh) ((0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764	Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWH	s ApHVAC heating) coilsload (MWM) 0 0.9137 0 0.7312 0 0.2352 0 0.24299 0 0.0054 0 0.0024 0 0.0225 0 0.1875 0 0.3799 0 0.7656 0 3.8548 0 3.8548	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	WK - Open Balcony Interior Lighting C (MWh) 0.0898 0.0818 0.0811 0.0883 0.0881 0.0904 0.0884 0.0898 0.0881 0.0895 0.0881 0.0891 0.0881 0.0891 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0721 0.0699 0.0719 0.0699 0.0713 0.8492	Space Heating (MWh) 0.9363 0.7497 0.2568 0.0035 0 0.0035 0 0.0005 0.0001 0.0229 0.1915 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0091 0.0889 0.1818 0.9613	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.0495 0.0025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0138 0.0138 0.0006 0 0 0.4623	teat Rejection In (MWh) 0 0.0002 0.00028 0.0028 0.0028 0.0074 0.0031 0.0009 0 0 0.00295	terior Central Fans In (MWh) 0.0378 0.0384 0.0376 0.0376 0.0376 0.0378 0.0378 0.0366 0.0378 0.0378 0.0356	terior Local Fans 8 (MWh) 0.0395 0.0334 0.0278 0.019 0.0175 0.0246 0.0212 0.0125 0.0195 0.0258 0.0258 0.0361 0.2924	Exhaust Fans P (MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609	Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWH heating load TMWH	s ApHVAC heating) colisioad (MWh) 0 0.9131 0 0.311 0 0.3522 0 0.0499 0 0.0034 0 0.0034 0 0.0225 0 0.3799 0 0.7556 0 3.8548 92 41.9	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI	Emissions (kg/WWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	WK - Open Balcony Interior Lighting O (MWh) 0.8898 0.0818 0.0881 0.0889 0.0881 0.0896 0.0804 0.0881 0.0898 0.0881 0.0881 0.0892 1.0669	ther Process (MWh) 0.0651 0.0659 0.0723 0.0699 0.0721 0.0721 0.0721 0.0699 0.0721 0.0699 0.0723 0.8492	Space Heating (MWk) 0.9363 0.7497 0.568 0.0678 0.0035 0.0005 0.0001 0.0229 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0399 0.0889 0.1818 0.9613	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.4831 0.0495 0.0027 0 0 0 0 0 0.0158 0.1516 0.3 0.0188 0.1516 0.3 0.6019 2.9896	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0.0005 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006 0 0.4623	eat Rejection In (MWh) 0 0.0002 0.0005 0.0028 0.0056 0.0058 0.0074 0.00031 0.00031 0.00031 0.00031 0.00031	terior Central Fans In (MWh) 0.0378 0.03474 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans ((MWh) 0.0395 0.0334 0.0278 0.019 0.0155 0.0245 0.0212 0.0125 0.0125 0.0258 0.0361 0.2924	Exhaust Fans P ((MW/h) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	rumps MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 92 114.9609 Wh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWH Area TEDI	s ApHVAC heating) colis load (MWh) 0 (0.3312 0 0.7311 0 0.3352 0 0.0499 0 0.066 0 0.0034 0 0.0034 0 0.0225 0 0.1875 0 0.3799 0 0.7556 0 3.8548 0 3.8548 41.9 KWh/m ³ , r	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Acea GHGI	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO2,/m2.yr
West - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.08818 0.0881 0.0889 0.0881 0.0896 0.0904 0.0881 0.0895 0.0904 0.0881 0.0892 1.0669 WR - Enclosed Balcon	ther Process (MWh) 0.0719 0.0723 0.0699 0.07719 0.0721 0.0721 0.0721 0.0699 0.0719 0.0699 0.0719	Space Heating (MWh) 0.9363 0.7497 0.568 0.0035 0.0035 0.0005 0.0001 0.0229 0.1915 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0091 0.0889 0.1818 0.9613	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.0495 0.0027 0 0 0 0 0 0.0158 0.0158 0.0158 0.0158 0.33 0.6019 2.9896	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0.0006 0.0029 0.0484 0.1166 0.4492 0.1186 0.0138 0.0006 0 0.4623	teat Rejection In (MWh) 0 0.0002 0.0005 0.0028 0.0028 0.0028 0.0074 0.0031 0.0031 0.0031 0.0029 0 0.0295	terior Central Fans In (MWh) 0.0378 0.0347 0.0378 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans (MWh) 0.0395 0.0334 0.019 0.0156 0.0175 0.0246 0.0212 0.0125 0.0125 0.0125 0.0125 0.0125 0.0258 0.0361	Exhaust Fans P ((MWh) (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 Wh/m², yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWH Area TEDI	s ApHVAC heating) coliso (0.043) 0 0.7311 0 0.352 0 0.2499 0 0.066 0 0.0034 0 0.025 0 0.1875 0 0.3799 0 0.7556 0 3.8548 92 41.3 KWh/m ² , yr	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO2,/m2.yr
West - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Jan 01-30 Mar 01-30 Jan 01-30 Jan 01-30 Jan 01-30 Jan 01-30 Sep 01-30 Oct 01-31 Total West - 40% W	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0898 0.0881 0.0898 0.0881 0.0896 0.0894 0.0881 0.0904 0.0881 0.0904 0.0881 0.0904 0.0898 0.0881 0.0912 1.0669 WR - Enclosed Balcon	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0699 0.0723 0.0723 0.0899 0.0723 0.8492 w	Space Heating (MWR) 0.9363 0.7497 0.2568 0.0035 0.0035 0.0029 0.0011 0.3888 0.7838 3.951	SpaceHeating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0013 0.0001 0.0001 0.0001 0.0004 0.0004 0.0009 0.0001 0.0089 0.1818 0.9613	Space Heating Electricity (MWh) 0.5642 0.4031 0.1876 0.0027 0 0 0 0 0.0158 0.1516 0.3 0.6019 2.9896	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0.0005 0.0029 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0005 0 0.4623	teat Rejection In (MWh) 0 0.0002 0.0005 0.0028 0.0028 0.0074 0.0031 0.0031 0.0031 0.0031 0.0295	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans ((WWh) 0.0334 0.075 0.019 0.0156 0.0242 0.0125 0.0224 0.025 0.0224 0.025 0.0254 0.0361 0.2924	Sxhaust Fans P (MWh) ((0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 969 114.969 Wh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit	 ApHVAC heating coils load (MWh) coils load (MWh) 0.7311 0.7311 0.7352 0.2499 0.066 0.0034 0.0034 0.0025 0.0225 0.1875 0.3799 0.7555 0.3799 0.7555 0.38548 92 41.9 kWh/m² yr ApHVAC hatting 	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh)	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂ /m2.yr Emissions (kg/MWh)
West - 40% W Jan 01-31 Feb 01-28 Mrs 01-31 Jun 01-31 Jun 01-30 Jul 01-31 Acg 01-31 Acg 01-31 Acg 01-31 Total West - 40% W Date Jan 01-33	WK - Open Balcony Interior Lighting O (0.8898 0.0818 0.0818 0.0888 0.0881 0.0888 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.09988 0.0998 0.0998 0.0998 0.0998 0.0998 0.0998 0.0998 0.09	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0721 0.0723 0.8492 y ther Process (MWh) 0.0719	Space Heating (MWN) 0.9363 0.7497 0.2568 0.0035 0.00029 0.1015 0.0020 0.1015 0.03888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0001 0.0001 0.0001 0.0001 0.0399 0.0889 0.0889 0.0889 0.1818 0.9613	Space Heating Electricity (MWh) 0.7103 0.64031 0.4031 0.4031 0.4031 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 2.9896	Service Water Heating S; Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0005 0.0029 0.0089 0.0444 0.087 0.1166 0.0492 0.0138 0.0006 0 0.4623	eat Rejection In ((MWh) 0 0.0002 0.0005 0.0028 0.0056 0.0038 0.0074 0.0039 0.0099 0 0.0295 eat Rejection In (MWh)	terior Central Fans In (MWh) 0.0378 0.0341 0.0376 0.0376 0.0378 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans (NWh) 0.0334 0.027 0.019 0.0156 0.0246 0.0125 0.0125 0.0125 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258	xhaust Fans P (MWh) ((0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 Wh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Aur 01-30 Jul 01-31 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit	 ApHVAC heating coils load (MWM) 0.9137 0.9137 0.9137 0.7311 0.5552 0.02499 0.066 0.0034 0.000 0.0217 0.01875 0.02552 0.02552 0.38754 0.3799 0.76556 0.3594 0.77556 0.3799 41.9 kWh/m² yr s ApHVAC heating 0.6672 	Electricity Natural Gas Electricity	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706	Emissions (kg/MWh) 0.03 0.18085714 Emissions(kg) 0.98729383 92 10.7314547 kg CO ₂ /m2.yr Emissions (kg/MWh) 0.030 0.18085714
West - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-130 Jun 01-30 Jun 01-30 Jun 01-30 Ct 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28	WK - Open Balcony Interior Lighting C (MWh) 0.0898 0.0818 0.0898 0.0881 0.0898 0.0881 0.0904 0.0898 0.0891 0.0904 0.0898 0.0891 0.0912 1.0669 WR - Enclosed Balcon (MWh) 0.0898 0.0818	ther Process (MWh) 0.0719 0.0651 0.0721 0.0699 0.0721 0.0721 0.0721 0.0699 0.0721 0.073 0.073 0.073 0.073 0.073 0.073 0.073 0.073 0.073 0.073 0.073 0.073 0.0751 0.0651	Space Heating (MWN) 0.9363 0.7497 0.568 0.0035 0 0.0031 0.0229 0.1015 0.388 0.7838 3.951 Space Heating (MWN) 0.6599 0.5397	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0 0.0001 0.0001 0.0001 0.0001 0.0089 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.254	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.4831 0.0495 0.0027 0 0 0.0495 0.0207 0 0 0.0518 0.330 2.9896 Space Heating Electricity (MWh) 0.4542	Service Water Heating Sy Natural Gas (MWK) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.0166 0.0492 0.0138 0.0006 0 0.4623 0.4623	eat Rejection In (MWN) 0 0.0002 0.0006 0.0028 0.0036 0.0036 0.0036 0.0039 0.0039 0.0039 0.0295 eat Rejection In (MWN) 0 0.0001	terior Central Fans In (MWh) 0.0378 0.0341 0.0376 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans ((WWh) 0.0334 0.0278 0.019 0.0156 0.0212 0.0225 0.0228 0.0258 0.0361 0.2924 terior Local Fans (MWh) 0.0303 0.0244	Cxhaust Fans P (MWh) (1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 99 912,969 Wh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-31 Dec 01-31 Total Date Jan 01-31 Feb 01-28	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit heating load (MWH	 ApHVAC heating coils load (MWh) 0 0.3132 0 0.3132 0 0.3132 0 0.3532 0 0.499 0 0.499 0 0.499 0 0.4299 0 0.4291 41.9 kWh/m²-yr 	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂ /m2.yr Emissions (kg/WWh) 0.03 0.18085714
West - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Jan 01-30 Mar 01-30 Jan 01-30 Sep 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-28	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0898 0.0881 0.0898 0.0881 0.0904 0.0881 0.0904 0.0881 0.0904 0.0881 0.0904 0.0881 0.0912 1.0669 WR - Enclosed Balcon (MWh) 0.0898 0.0819 0.0810 0.0819 0.0829 0.0821 0.0829 0.	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0771 0.0771 0.0771 0.079 0.0721 0.079 0.0723 0.8492 ther Process (MWh) 0.0719 0.0719 0.0719 0.0719	Space Heating (MWR) 0.9363 0.7497 0.5649 0.2568 0.0035 0.0035 0.0029 0.1015 0.3888 0.7838 3.951 Space Heating (MWR) 0.5397 0.3771	SpaceHeating Natural Gas (MWh) 0.226 0.1854 0.0692 0.00183 0.0008 0.0001 0.0001 0.0001 0.0001 0.0089 0.1818 0.9613 SpaceHeating Natural Gas (MWh) 0.226 0.1854 0.226	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.4831 0.0495 0.0027 0 0 0 0 0 0.0188 0.1516 0.3 0.0188 0.1516 0.3 0.6019 2.9896 Space Heating Electricity (MWh) 0.3642 0.3642 0.3243	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0.0005 0.0029 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006 0.4623 0.4623	eat Rejection In ((MWh) 0 0.0002 0.00056 0.0028 0.00056 0.00058 0.00074 0.00074 0.00074 0.0009 0 0.0295	terior Central Fans In (MWh) 0.0378 0.03478 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0376 0.0378 0.0378 0.0356 0.0378 0.0452 terior Central Fans In (MWh) 0.0378 0.0378	terior Local Fans (WWh) 0.0334 0.0278 0.019 0.0156 0.0242 0.0125 0.0224 0.0252 0.0252 0.02524 terior Local Fans (MWh) 0.0361 0.0244 0.0244	Exhaust Fans P ((MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.960 Wh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit heating load (MWH	 ApHVAC heating coils load (MWH) 0.7311 0.7311 0.7312 0.7312 0.2499 0.066 0.0034 0.0034 0.0225 0.01275 0.3799 0.7359 0.7359 0.3799 0.7555 3.8548 92 92 41.9 kWh/m² yt s ApHVAC heating 0.0521 0.0521 0.0521 	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions(kg) 0.98729383 92 10.7314547 kgCo_2m2_yr Emissions (kg/MWh) 0.03 0.18085714
Wert - 40% W Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-31 Jun 01-30 Jun 01-30 Jun 01-30 Grt 01-31 Total Wert - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Feb 01-28 Mar 01-30 Ar 01-3	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0888 0.0881 0.0882 0.0881 0.0882 0.0883 0.0883 0.08888 0.08888 0.08888 0.08888 0.08888 0.08888 0	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0721 0.0723 0.8492 y ther Process (MWh) 0.075 0.0551 0.0753 0.0551 0.0753 0.0	Space Heating (MWN) 0.9363 0.7497 0.2568 0.0035 0.0005 0.0001 0.0229 0.1915 0.3888 0.7838 3.951 Space Heating (MWh) 0.5397 0.5397 0.3771 0.3771	Space Heating Natural Gas (MWh) 0.226 0.1854 0.06592 0.0183 0.0001 0.0001 0.0001 0.0001 0.0399 0.0889 0.0889 0.0889 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1868 0.0692	Space Heating Electricity (MWh) 0.7103 0.64031 0.4031 0.4031 0.4031 0.0495 0.04	Service Water Heating Sy Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0423 0.0138 0.0006 0 0.4623 ace Cooling H (MWh) 0.0001 0.0012 0.0015	eat Rejection In ((MWh) 0 0.0002 0.0005 0.0028 0.0056 0.0028 0.0009 0 0.0029 0 0.0295 eat Rejection In ((MWh) 0 0.0001 0.00011 0.00011	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0452 terior Central Fans In (MWh) 0.0378 0.0378	terior Local Fans (NWh) 0.0334 0.019 0.015 0.0125 0.0242 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0301 0.0224 0.0303 0.0224	Schaust Fans P (MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 Wh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Arp 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit heating load (MWH	s ApHVAC heating) coils load (MWM) 0 0.9137 0 0.7311 0 0.5352 0 0.02499 0 0.066 0 0.0023 0 0.0255 0 0.1875 0 0.1875 0 0.7556 0 3.8548 92 41.9 kWh/m ² .yr s ApHVAC heating 0 0.5211 0 0.5673 0 0.3644 0 0.3624 0 0.3624	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂ /m2.yr Emissions (kg/WWh) (kg/WWh) 0.03 0.18085714
West - 40% W Date Jan 01-31 Feb 01-28 Maro 01-31 Jan 01-30 Jul 01-31 Jul 01-31 Sep 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Mar 01-31 Mar 01-31 Jan 01-31	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0881 0.0898 0.0881 0.0996 0.0994 0.0881 0.0996 0.0994 0.0881 0.0996 0.0994 0.0881 0.0992 1.0669 WR - Enclosed Balcot (MWh) 0.0898 0.0996 0.0997 0.0996 0.	ther Process (MWh) 0.0719 0.0651 0.0723 0.0659 0.0771 0.0721 0.0723 0.8492 w ther Process (MWh) 0.0719 0.0719 0.0719 0.0723 0.8492	Space Heating (MWN) 0.9363 0.7497 0.2568 0.0035 0 0.0001 0.0229 0.1915 0.388 0.7838 3.951 Space Heating (MWN) 0.6899 0.3397 0.3791 0.1602 0.0319	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0 0.0001 0.0001 0.0001 0.0001 0.0889 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854 0	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.4831 0.4831 0.0495 0.0027 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Service Water Heating Sy Natural Gas (MWK) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0026 0.0029 0.0449 0.1166 0.0492 0.1383 0.0006 0 0.4623 ace Cooling H (MWh) 0.0001 0.0001 0.0001 0.0001 0.0005 0.00556 0.0556	eat Rejection In (MWW) 0 0.0002 0.0006 0.0028 0.0036 0.0036 0.0036 0.0036 0.0036 0.0036 0.0036 0.0036 0.0036 0.0036 0.0004 0.0001 0.0004 0.0001 0.0004 0.0001 0.0004	terior Central Fans In (MWh) 0.0378 0.0341 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0360 (0.0341 0.0341 0.0378 0.0366 0.0378	terior Local Fans ((WWh) 0.0395 0.019 0.0156 0.0175 0.0226 0.0225 0.0228 0.0361 0.2924 (WWh) 0.0303 0.0238	Exhaust Fans P ((MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 14.9609 Wh/m², үг	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit heating load (MWH	s ApHVAC heating) colisioad (MWh) 0 0.9311 0 0.3312 0 0.3352 0 0.0499 0 0.066 0 0.0034 0 0.0225 0 0.1875 0 0.3799 0 0.7656 0 3.8548 92 4.9 kWh/m ² .yr s ApHVAC heating 0 0.6673 0 0.5211 0 0.36241 0 0	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.3706 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂ ,/m2.yr Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Jan 01-30 Jan 01-30 Jan 01-30 Oct 01-33 Total West - 40% W Date Jan 01-31 Total Date Jan 01-31 Total Date Jan 01-31 Total	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0898 0.0881 0.0898 0.0881 0.0904 0.0881 0.0906 0.0904 0.0888 0.0881 0.0912 1.0669 WR - Enclosed Balcon (MWh) 0.0898 0.0819 0.0818 0.	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0771 0.0771 0.0771 0.079 0.0723 0.8492 ther Process (MWh) 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0651 0.0719 0.07510000000000000000000000000000000000	Space Heating (MWR) 0.9363 0.7497 0.5649 0.2568 0.0035 0.0035 0.0029 0.1015 0.3888 0.7838 3.951 Space Heating (MWR) 0.5397 0.3771 0.1602 0.5397 0.3771	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.00183 0.0008 0.0001 0.0001 0.0001 0.0091 0.0088 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854 0.0225 0.1854 0.0183 0.0183 0.0183	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.4831 0.0495 0.0027 0 0 0 0 0 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 2.9896 Electricity (MWh) 0.3642 0.3642 0.3233 0.091 0.3233 0.0315 0.0135 0.0135 0.0135	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWR) 0 0.0026 0.0029 0.0044 0.087 0.1383 0.1166 0.0492 0.0138 0.04623 0.04623 0.04623 0.04623 0.04623 0.06011 0.0001 0.0001 0.0001 0.000120000000000	eat Rejection In ((MWh) 0 0.0002 0.00056 0.0028 0.00056 0.00038 0.0074 0.0001 0.0295 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	terior Central Fans In (MWh) 0.0378 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans (WWh) 0.0334 0.0278 0.019 0.0156 0.0222 0.0125 0.0224 0.0252 0.0050 0.0252 0.00500 0.00500 0.00500000000	Exhaust Fans P ((MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.960 Wh/m [*] .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31	ApHVAC room unit heating load (MWH Ares TEDI ApHVAC room unit heating load (MWH	 ApHVAC heating coils load (MWH) 0.7311 0.7311 0.7312 0.7312 0.7312 0.7312 0.7312 0.7312 0.7352 0.7352 0.7352 0.7352 0.7352 0.7352 0.7355 0.7655 0.7755 0.7759 0.7759	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂ /m2.yr Emissions (kg/MWh) 0.03 0.18085714
Wert - 40% W Jan 01-31 Feb 01-28 Mrs 01-31 Jun 01-31 Jun 01-30 Jun 01-30 Jun 01-30 Grt 01-31 Total Wert - 40% W Date Jan 01-31 Feb 01-28 Mrs 01-31 Feb 01-28 Mrs 01-31 Jun 01-30 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-31	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0888 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0912 1.0669 WR - Enclosed Balcon (MWh) 0.0898 0.0811 0.0898 0.0811 0.0898 0.0811 0.0898 0.081 0.0881 0.0881 0.0881 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0721 0.079 0.079 0.0723 0.8492 y ther Process (MWh) 0.0719 0.0651 0.0723 0.0719 0.0651 0.0723 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719	Space Heating (MWN) 0.9363 0.7497 0.2568 0.0035 0.0007 0.0001 0.0229 0.1915 0.3888 0.7838 3.951 Space Heating (MWh) 0.5397 0.3771 0.3771 0.3771 0.3771	Space Heating Natural Gas (MWN) 0.226 0.1854 0.06592 0.0183 0.0003 0 0.0001 0.0001 0.0399 0.0889 0.0889 0.0889 0.0889 0.0889 0.0681 0.9613 0.9614 0.9614 0.9614 0.9613 0.9613 0.9614 0.9626 0.9646 0.9646 0.9646 0.9646 0.9646 0.9646 0.9646 0.9646 0.9646 0.9646 0.9656 0.9646 0.9656 0.9646 0.96566 0.96566 0.96566 0.96566 0.96566666666666666666666666666666666666	Space Heating Electricity (MWh) 0.7103 0.64031 0.4031 0.4031 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 2.9896 Space Heating Electricity (MWh) 0.4639 0.3542 0.2303 0.091 0.0135 0.091	Service Water Heating Sy Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0432 0.0138 0.0006 0 0.4623 ace Cooling H (MWh) 0.0011 0.0012 0.0012 0.0015 0.0155 0.0556 0.1019 0.1471 0.1317	eat Rejection In ((MWh) 0 0.0002 0.0005 0.0028 0.0056 0.0038 0.0074 0.001 0.0099 0 0.0295 eat Rejection In ((MWh) 0 0.00011 0.0001 0.00011 0.0005 0.0005 0.00054 0.00054	terior Central Fans In (MWh) 0.0378 0.0341 0.0376 0.0378 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0452 terior Central Fans In (MWh) 0.0378 0.0378 0.0378 0.0378	terior Local Fans (NWh) 0.0334 0.019 0.0155 0.0252 0.0252 0.0258 0.0258 0.0252 (NWh) 0.0303 0.0244 0.0164 0.0146 0.0146 0.0146 0.0152 0.0155	Schaust Fans P (MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 Wh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Arp 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Arp 01-31 Jul 01-31 Jul 01-31 Aug 01-31	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit	s ApHVAC heating) colis load (MWh) 0 0.9137 0 0.7311 0 0.5522 0 0.02499 0 0.066 0 0.0034 0 0.0025 0 0.1875 0 0.1875 0 0.7556 0 3.8548 92 41.9 kWh/m ² .yr s ApHVAC heating 0 0.5211 0 0.56673 0 0.5531 0 0.3533 0 0.054 0 0.0007 0 0.000	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂ /m2.yr Emissions (kg/WWh) (kg/WWh) 0.03 0.18085714
West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Total Date Jan 01-31 Mar 01-31 Mar 01-31 Jun 01-31 Sep 01-30 Jun 01-31 Sep 01-30	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0881 0.0889 0.0881 0.0904 0.0881 0.0904 0.0898 0.0898 0.0891 1.0669 WR - Enclosed Balcot (MWh) 0.0898 0.0818 0.0912 1.0669 0.0818 0.0912 0.0881 0.0988 0.0881 0.0988 0.0881 0.0988 0.0881 0.0988 0.0881 0.0988 0.0881 0.0994 0.0881 0.0994 0.0881 0.0994 0.0881 0.0994 0.0881 0.0994 0.0881 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0994 0.0995 0.0994 0.0994 0.0994 0.0995 0.0994 0.0994 0.0994 0.0995 0.0994 0.0994 0.0995 0.0994 0.0995 0.0994 0.0995 0.0994 0.0995 0.0994 0.0995 0.0994 0.0995 0.0994 0.0995 0.0994 0.0995 0.0994 0.0995 0.0994 0.0995 0.0995 0.0995 0.0994 0.0995 0.	ther Process (MWh) 0.0719 0.0651 0.0721 0.0721 0.0721 0.0721 0.0723 0.8492 Wher Process (MWh) 0.0719 0.0659 0.0723 0.8492 Wher Process 0.0719 0.0659 0.0719 0.0723 0.0723 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0719 0.0723 0.0719 0.0723 0.0719 0.0719 0.0719 0.0723 0.0719 0.0659 0.0719 0.0659 0.0719 0.0659 0.0719 0.0659 0.0719 0.0659 0.0659 0.0719 0.0659 0.0659 0.0659 0.0719 0.0659 0.0751 0.0659 0.07711 0.0659	Space Heating (MWN) 0.9363 0.7497 0.2568 0.0035 0 0.0001 0.0229 0.1915 0.3888 0.7338 3.951 Space Heating (MWN) 0.6397 0.3771 0.1602 0.0318 0.0388 0.0397 0.3771 0.1602 0.0318 0.0308 0.0001	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0 0.0001 0.0001 0.0001 0.0399 0.0889 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854000000000000000000000000000000000000	Space Heating Electricity (MWh) 0.5642 0.4031 0.4831 0.4831 0.0495 0.0027 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0029 0.0089 0.04644 0.087 0.1383 0.1166 0.0452 0.0138 0.0006 0.04623 0.0001 0.4623 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.00556 0.0556 0.0556 0.0556	eat Rejection In (MWW) 0 0.0002 0.0006 0.0028 0.0036 0.0036 0.0036 0.0036 0.0036 0.0036 0.0037 0.0037 0.0035 0.0004 0.0001 0.0004 0.0004 0.0004	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0371 0.0374 0.0376 0.0378	terior Local Fans ((WWh) 0.0335 0.0334 0.0275 0.0195 0.0195 0.0252 0.0125 0.0125 0.0195 0.0258 0.0361 0.2924 0.0361 0.2924 0.0361 0.02924 0.0136 0.0134 0.0244 0.0136 0.0134 0.0244 0.0136 0.0134 0.0244 0.0136 0.0134 0.0252 0.025 0.025 0.0253 0.025	Exhaust Fans P ((MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 Wh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Oct 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Sep 01-30 Sep 01-30	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit heating load (MWH	s ApHVAC heating) colisioad (MWh) 0 0.311 0 0.3312 0 0.3522 0 0.0499 0 0.066 0 0.0034 0 0 0 0 0 0.0225 0 0.3799 0 0.7556 0 3.8548 92 41.9 kWh/m ² .yr s ApHVAC heating 0 0.6673 0 0.5531 0 0.5531 0 0.5533 0 0.0379 0 0.5531 0 0.5531 0 0.5533 0 0.0007 0 0.0007	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.970 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂₂ /m2.yr Emissions (kg/WWh) 0.03 0.18085714
West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Jan 01-30 Jan 01-30 Jau 01-31 Jau 01-30 Ct 01-31 Total West - 40% W Date Jan 01-31 Total West - 40% W Date Jan 01-31 Total Date Jan 01-31 Total Sep 01-30 Ct 01-28 Mar 01-31 Jan 01-31 Jan 01-31 Jan 01-31 Jan 01-31 Jan 01-31 Total	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0898 0.0881 0.0898 0.0881 0.0904 0.0881 0.0904 0.0881 0.0904 0.0881 0.0912 1.0669 WR - Enclosed Balcon (MWh) 0.0898 0.0818 0.0818 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0884 0.0881 0.0884 0.0881 0.0884 0.0884 0.0884 0.0881 0.0884 0.	ther Process (MWh) 0.0719 0.0651 0.0723 0.0721 0.0771 0.0771 0.0771 0.0773 0.8492 ther Process (MWh) 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0721 0.0771 0.0771 0.0771	Space Heating (MWN) 0.7497 0.5649 0.2568 0.0035 0.0035 0.0029 0.1015 0.3888 0.7838 0.7838 3.3951 Space Heating (MWN) 0.5897 0.3771 0.1602 0.5397 0.3771 0.1602 0.5397 0.3771	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.00183 0.0008 0.0001 0.0001 0.0001 0.0089 0.1818 0.9613 5pace Heating Natural Gas (MWh) 0.226 0.1854 0.0225 0.1854 0.0692 0.1868 0.0692 0.1868 0.0692 0.0183 0.0008	Space Heating Electricity (MWh) 0.5642 0.4031 0.1876 0.0495 0.0027 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0005 0.0029 0.0044 0.087 0.1383 0.1166 0.0492 0.0138 0.04623 0.04623 0.04623 0.04623 0.04623 0.04623 0.04623 0.06011 0.00011 0.00011 0.00012 0.00012 0.00012 0.00012 0.00012 0.00012 0.0155 0.0155 0.0159 0.0179 0.00179 0.0022	eat Rejection In ((MWh) 0 0.0002 0.00056 0.0028 0.0074 0.0031 0.009 0 0 0 0.0295 0 0 0 0 0.0295 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	terior Central Fans In (MWh) 0.0378 0.0378 0.0376 0.0378 0.0366 0.03780 0.03780000000000000000000000000000000000	terior Local Fans (WWh) 0.0334 0.0275 0.019 0.0156 0.0212 0.0125 0.0224 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.024 0.0144 0.0144 0.0195 0.0244 0.0144 0.0195 0.0244 0.0144 0.0195 0.0244 0.0144 0.0195 0.0144 0.0195 0.0244 0.0144 0.0195 0.0244 0.0144 0.0195 0.0144 0.0144 0.0144 0.0144 0.0144 0.0144 0.0144 0.0144 0.0145 0.0155 0.0252 0.0155 0.0252 0.0155 0.0252 0.0155 0.0252 0.0155 0.02550000000000	Exhaust Fans P ((MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.960 Wb/m [*] .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-31 Sep 01-30 Got 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30	ApHVAC room unit heating load (MWH Ares TEDI ApHVAC room unit heating load (MWH	 ApHVAC heating colis load (MWH) 0.7311 0.7311 0.7312 0.7312 0.7312 0.7312 0.7312 0.7312 0.7352 0.7499 0.0034 0.0034 0.0034 0.0034 0.0225 0.01875 0.3759 0.7656 3.8548 92 92 41.9 kWh/m² yt s ApHVAC heating 0.05214 0.03624 0.03624 0.03624 0.0307 0.0007 0.0007 0.0004483 	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO2,/m2.yr Emissions (kg/MWh) 0.03 0.18085714
West - 40% W Date jan 01-31 Feb 01-28 Mar 01-31 jun 01-30 jul 01-31 Sep 01-30 Oct 01-31 Total Bec 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jun 01-30 Jun 01-31 Sep 01-31 Jun 01-33 Sep 01-31 Nov 01-31 Dec 01-31	WK - Open Balcony Interior Lighting C (MWh) 0.0898 0.0818 0.0818 0.0881 0.0881 0.0906 0.0904 0.0881 0.0912 1.0669 WR - Enclosed Balcon (MWh) 0.0818 0.0912 0.0818 0.0818 0.0818 0.0818 0.0818 0.0818 0.0818 0.0912 0.0818 0.	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0721 0.0729 0.0723 0.0723 0.0723 0.0729 0.0719 0.0719 0.0719 0.0719 0.0659 0.0719 0.0659 0.0721 0.0659 0.0721	Space Heating (MWN) 0.9363 0.7499 0.2568 0.0035 0.0001 0.0229 0.1915 0.3888 0.7838 3.3511 Space Heating (MWh) 0.5397 0.5397 0.5397 0.1015 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	Space Heating Natural Gas (MWh) 0.226 0.1854 0.06592 0.0001 0.0001 0.0001 0.0399 0.0899 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1858 0.0692 0.1858	Space Heating Electricity (MWh) 0.7103 0.64031 0.4031 0.4031 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495 2.9896 Space Heating Electricity (MWh) 0.4639 0.3542 0.2303 0.091 0.0195 0.001 0.015 0.001 0.015 0.00100000000	Service Water Heating S; Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0026 0.0029 0.0444 0.087 0.1388 0.0066 0 0.4623 0.4623 0.4623 0.4623 0.4623 0.4623 0.4623 0.4623 0.4623 0.4623 0.4623 0.4623 0.4615 0.0012 0.0011 0.1311 0.0639 0.119 0.1279 0.0022 0	eat Rejection In ((MWh) 0 0.0002 0.0005 0.0028 0.0035 0.0035 0.0035 0.0037 0 0.0037 0 0.0035 0.0035 0.0035 0.0035 0.0031 0.00011 0.0034 0.00310000000000	terior Central Fans In (MWN) 0.0378 0.0341 0.0378 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0452 terior Central Fans In (MWN) 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans (NWh) 0.0334 0.027 0.019 0.0156 0.0212 0.0226 0.0212 0.0226 0.0228 0.0328 0.0361 0.2224 terior Local Fans (NWh) 0.0304 0.0244 0.0144 0.0146 0.0125 0.0222 0.0252 0.0254	Skhaust Fans P ((MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 Wh/m ¹ .yr	Date Jan 0.31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jul 01-31 Jul 01-31 Jul 01-31 Sep 01-30 Oct 01-31 Sep 01-30 Dec 01-31 Nov 01-30 Dec 01-31	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit heating load (MWH	 ApHVAC heating coils load (MWM) 0.9137 0.7311 0.0352 0.02499 0.066 0.0024 0.0025 0.1875 0.1875 0.1875 0.1875 0.1875 0.1875 0.1875 0.2499 41.9 kWh/m² yr ApHVAC heating 0.66673 0.5211 0.6673 0.5214 0.0324 0.0324 0.0324 0.0323 0.0324 0.0324 0.0324 0.0324 0.0084 0.0324 0.0324 0.0324 0.0325 0.0325 0.0325 	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg) 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂ /m2.yr Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg)
West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Jan 01-31 Jan 01-30 Jul 01-31 Jul 01-31 Sep 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Feb 01-38 Mar 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Sep 01-30 Jun 01-31 Sep 01-30 Oct 01-31 Total	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0881 0.0889 0.0881 0.0904 0.0881 0.0904 0.0881 0.0904 0.0898 0.0898 0.0898 0.0891 0.0912 1.0669 0.0904 0.0881 0.0914	ther Process (MWh) 0.0719 0.0651 0.0721 0.0721 0.0721 0.0721 0.0721 0.0723 0.8492 W ther Process (MWh) 0.0719 0.0719 0.0723 0.8492 W ther Process 0.0719 0.0719 0.0659 0.0719 0.0723 0.0669 0.0719 0.0659 0.0719 0.0723 0.0723 0.0723 0.0659 0.0719 0.0723 0.0723 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0723 0.0659 0.0773 0.0723 0.0659 0.0773 0.0659 0.0773 0.0659 0.0773 0.0659 0.0773 0.0659 0.0773 0.0659 0.0773 0.0659 0.0773 0.0659 0.0659 0.0773 0.0659 0.0659 0.0759 0.0659 0.0759 0.0659 0.0659 0.0659 0.0659 0.0659 0.0659 0.0659 0.0659 0.0659 0.0659 0.0659 0.0659 0.0753 0.0659 0.0773 0.0659 0.0773 0.0659 0.0773 0.0723 0.0659 0.0772 0.0723 0.0	Space Heating (MWN) 0.9363 0.7497 0.568 0.0035 0 0.0001 0.0229 0.1915 0.3888 0.7338 3.951 Space Heating (MWN) 0.6899 0.5397 0.3771 0.1602 0.0318 0.0008 0.0001 0.0088 0.0001 0.0088 0.0001	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0 0.0001 0.0001 0.0001 0.0001 0.0399 0.8889 0.1818 0.9613	Space Heating Electricity (MWh) 0.5642 0.4031 0.1876 0.0025 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Service Water Heating Sy Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0029 0.0089 0.04644 0.087 0.1383 0.1166 0.0452 0.0138 0.0006 0.04623 0.0001 0.4623 0.0001 0.4623 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.00556 0.0556 0.0556 0.0556 0.0556 0.0556 0.0556	eat Rejection In (MWW) 0 0.0002 0.00056 0.0028 0.0074 0.0031 0.0090 0 0.0295 0.00295 0.0094 0.0031 0.0004 0.0001 0.0004 0.0004 0.0001 0.0001 0.0001 0.0001 0.0001	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0374 0.0374 0.0374 0.0376 0.0378 0.0378 0.0378	terior Local Fans ((WWh) 0.0334 0.019 0.0155 0.0125 0.0252 0.0252 0.0252 0.0252 0.0361 0.2924 (MWh) 0.0303 0.0262 0.0132 0.0132 0.0132 0.0132 0.0132 0.0132 0.0143 0.0143 0.0143 0.0143 0.0142	Exhaust Fans P ((MWh) () 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VIWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 92 Wh/m ² , yr 9.4119	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Jul 01-3 Jul 01-31 Jul 01-3 Apr 01-30 Apr 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Nov 01-30 Dec 01-31 Nov 01-30 Dec 01-31 Nov 01-30 Dec 01-31	ApHVAC room unit heating load (MWH Area TEDI ApHVAC room unit heating load (MWH	s ApHVAC heating) colisioad (MWh) 0 0.311 0 0.3322 0 0.3352 0 0.0499 0 0.066 0 0.0034 0 0.0225 0 0.3799 0 0.7556 0 3.8548 92 0 3.8548 92 41.9 kWh/m ² ,yr s ApHVAC heating 0 0.6673 0 0.5511 0 0.55511 0 0.2489 0 0.0007 0 0.55511 0 0.25511 0 0.25511 0 0.25511 0 0.55511 0	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg) 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂₂ /m2.yr Emissions (kg/WWh) 0.3805714 Emissions (kg) 0.9523588
West - 40% W Date jan 01-31 Feb 01-28 Mar 01-31 Jan 01-31 Jan 01-30 Jul 01-31 Jul 01-31 Sep 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Total West - 40% W Date Jan 01-31 Total Jul 01-31	WK - Open Balcony Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0881 0.0888 0.0881 0.0906 0.0904 0.0881 0.0906 0.0904 0.0881 0.0902 1.0669 WR - Enclosed Balcoo (MWh) 0.0898 0.0818 0.0818 0.0818 0.0818 0.0818 0.0818 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0898 0.0881 0.0896 0.0894 0.0881 0.0904 0.0888 0.0881 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0896 0.0897 0.0898 0.0886 0.0886 0.0986 0.0986 0.0986 0.0986 0.0986 0.0986 0.	ther Process (MWh) 0.0719 0.0651 0.0723 0.0771 0.0771 0.0771 0.0771 0.079 0.0723 0.8492 ther Process (MWh) 0.0719 0.0651 0.0719 0.0719 0.0651 0.0719 0.0651 0.0773 0.0771 0.0771 0.0771 0.0771 0.0699 0.0771 0.0773 0.0699 0.0771 0.0773 0.0699 0.0771 0.0773 0.0699 0.0771 0.0773 0.0699 0.0771 0.0771 0.0771 0.0771 0.0771 0.0771 0.0771 0.0771 0.0771 0.0771 0.0771 0.0771 0.0771 0.0773 0.0771 0.0771 0.0771 0.0771 0.0773 0.0771 0.0771 0.0771 0.0771 0.0771 0.0773 0.0771 0.0771 0.0771 0.0771 0.0773 0.0771 0.0771 0.0773 0.0771 0.0771 0.0771 0.0773 0.0771 0.0771 0.0773 0.0771 0.0773 0.0771 0.0771 0.0773 0.0771 0.0773 0.0771 0.0773 0.0771 0.0773 0.0771 0.0773 0.0771 0.0773 0.0771 0.0773 0.0774 0.0773 0.0774 0.0773 0.0774 0.0773 0.0774 0.0773 0.07740	Space Heating (MWN) 0.7497 0.5499 0.2568 0.0035 0.0029 0.1015 0.3888 0.7838 3.951 Space Heating (MWN) 0.6899 0.5397 0.3771 0.1602 0.5397 0.3771 0.1602 0.5397 0.3771 0.1602 0.5397 0.3771	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0001 0.0001 0.0001 0.0001 0.0889 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854 0.6923 0.1868 0.00183 0.0001 0.0011 0.3999 0.1868 0.0692 0.1868 0.0693	Space Heating Electricity (MWh) 0.5642 0.4031 0.1876 0.00495 0.00495 0.00495 0.0158 0.1516 0.3 0.6019 2.9896 Space Heating Electricity (MWh) 0.3542 0.3542 0.3233 0.091 0.3543 0.2303 0.0135 0.0147 0.	Service Water Heating Sy Natural Gas (MWN) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ace Cooling H (MWh) 0 0.0005 0.0029 0.0044 0.087 0.1383 0.0146 0.0042 0.04623 0.04623 0.04623 0.04623 0.04623 0.04623 0.06011 0.06011 0.00011 0.00011 0.00012 0.00011 0.0165 0.05556 0.1019 0.1471 0.1311 0.0639 0.0179 0.0179 0.0022 0.05434	eat Rejection In ((MWh) 0 0.0002 0.00056 0.0028 0.0074 0.0031 0.009 0 0 0.0295 0.0295 0.009 0 0 0.0295 0.00011 0.00011 0.00000000	terior Central Fans In (MWh) 0.0378 0.0378 0.0378 0.0376 0.0378	terior Local Fans (WWh) 0.0334 0.0278 0.019 0.0156 0.0222 0.0125 0.0224 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0244 0.0130 0.0244 0.0130 0.0244 0.0132 0.0244 0.0132 0.0248 0.0278 0.0248	Exhaust Fans P ((MWh) (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	umps VVWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.960 Wh/m ¹ .yr 9.4119 92 102.003	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jul 01-31 Aug 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-31 Sep 01-32 May 01-31 Jun 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Nov 01-30 Dec 01-31 Nov 01-30 Dec 01-31 Nov 01-30	ApHVAC room unit heating load (MWH Ares TEDI ApHVAC room unit heating load (MWH	 ApHVAC heating colis load (MWH) 0.7311 0.7311 0.7312 0.7312 0.7312 0.7312 0.7312 0.7312 0.7312 0.7312 0.7312 0.7352 0.7352 0.7352 0.7352 0.7355 0.7359 0.7531 0.7531	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	Emissions (kg) 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO2,/m2.yr Emissions (kg) 0.18085714 Emissions (kg) 0.18085714

11%

34%

3%

11%

31%

4%

12% 29%

4%

11%

32%

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31%

4%

4%

40% WWR – North & East

North - 40% WWR - Open Balcony

Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	(NWWh) (NWWh) 0.0898 0.0719 0.0818 0.0651 0.0912 0.0731 0.0881 0.0699 0.0838 0.0719 0.0838 0.0699 0.0838 0.0711 0.0881 0.0699 0.0838 0.0721 0.0881 0.0699 0.0881 0.0699 0.0881 0.0699 0.0881 0.0699 0.0881 0.0699 0.0820 0.0721 0.0821 0.0721 0.0821 0.0723 1.0669 0.8492	Space Heating (WWW) 0.7882 0.6069 0.827 0.0769 0.0056 0.0008 0.0056 0.0008 0.0256 0.0232 0.4159 0.8057 4.1754	Space reading Natural Gas (MWH) 0.226 0.1854 0.4684 0.0692 0.0183 0.0001 0.0001 0.0001 0.0001 0.0001 0.0399 0.0889 0.1818 0.9613	Jane Hennig Electricity (MWh) 0.7378 0.6028 0.4601 0.2135 0.586 0.0049 0 0.0015 0.1633 0.527 0.629 3.2141	er noe vere freeing space Looming free neglection in Natural Gas (MWM) 0 (MVM) 0 0 0 0 0 0.0003 0 0 0.00291 0.0019 0 0.0629 0.0043 0 0.01124 0.0072 0 0.0849 0.0057 0 0.0849 0.0057 0 0.0849 0.0057 0 0.0091 0 0 0.09 0 0.0001 0 0 0 3.48 0.3443 0.022	(MWh) (MWh) (MW 0.0378 0.0403 0.0341 0.0346 0.0378 0.0316 0.0378 0.0131 0.0378 0.0134 0.0378 0.013 0.0378 0.0208 0.0378 0.0208 0.0378 0.0202 0.0366 0.015 0.0378 0.0202 0.0366 0.0284 0.0378 0.0202 0.0366 0.0284	Wh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-31 Sep 01-31 Nov 01-30 Dec 01-31 Total	heating load (MWh) coils load (MWh) 0 0.9412 0 0.5922 0 0.2758 0 0.0759 0 0.0751 0 0.0056 0 0 0 0 0.0008 0 0.00252 0 0.01992 0 0.01992 0 0.0497 0 0.0992 0 0.0497 0 0.07876 0 0.0992 0 0.0497 1 0.07876 0 0.07876 0 0.07876 0 0.07876 0 0.07876 0 0.07876 0 0.0252 0 0.0255 0 0.0252 0 0.0255 0 0.0255 0 0.0255 0 0.0255 0 0.0255 0 0.0252 0 0.0255 0 0.0	Electricity Natural Gas	6.2314 0.03 4.4413 0.18085714 Emissions (kg) 0.99018283 Area 92 GHGI 10.7628568 kg C0,_u/m2.yr	PERFORMANCE SU	JMMARY Open Balcony	Enclosed Balcony	Savings
Date Jan 01-31 Feb 01-28 Mar 01-31 Jan 01-30 Jul 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31	WWR - Enclosed Balcony Interior Lighting Other Process (NWN) (NWh) 0.0898 0.0719 0.0818 0.0651 0.0818 0.0723 0.0881 0.0698 0.0888 0.0719 0.0881 0.0691 0.0806 0.0721 0.0804 0.0721 0.0804 0.0721 0.0804 0.0721 0.0804 0.0721 0.0808 0.0721	Space Heating (MWh) 0.7223 0.5824 0.4328 0.0325 0.0008 0 0.0001 0.0109 0.1273	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0133 0.0000 0.0001 0.0001 0.0001 0.0339	Space Heating Se Electricity (MWh) 0.4963 0.3969 0.286 0.1137 0.0142 0 0 0 0 0 0.0085 0.0142 0 0 0 0 0.0085 0.0123	tervice Water Heating Space Cooling Heat Rejection In Natural Gas (MWh) (MWh) (MWh) 0 0 0.0001 0 0 0.0004 0 0 0.0045 0.0003 0 0.0797 0.0051 0 0.123 0.0079 0 0.0267 0.0063 0 0.0408 0.0026 0 0.0026 0.0026	terior Central Fans Interior Local Fans Exhaus (MWh) (MWh) (0.0378 0.0279 0.0341 0.024 0.0378 0.0205 0.0366 0.0125 0.0378 0.0082 0.0366 0.0147 0.0378 0.0149 0.0378 0.0169 0.0378 0.0169 0.0378 0.0122	st Fans Pumps Wh) (WWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31	ApHVAC room units ApHVAC heating heating load (MWh) colls (add (MWh) 0 0.6997 0 0.6583 0 0.4182 0 0.4182 0 0.0176 0 0.0007 0 0 0 0 0 0 0 0.0105 0 0.2123	Electricity Natural Gas	SuiteEnergy Emissions (MWVh) (kg/MWh) 4.9958 0.03 4.4413 0.18085714	TEUI (kWh/m2.yr) TEDI (kWh/m2.yr) GHGI (kg CO ₂₀ /m2.yr) West - 40% WWR TEUI (kWh/m2.yr) TEDI (kWh/m2.yr)	110.6 38.6 10.6 Open Balcony 115.0 41.9	98.5 25.5 10.2 Enclosed Balcony 102.3 28.8	11 34 3 Savings 11 31
Nov 01-30 Dec 01-31 Total East-40% W Date Jan 01-31	0.0881 0.0699 0.0912 0.0723 1.0669 0.8492 WR-Open Balcony Interior Lighting Other Process (WWh) 0.0898 0.0719	0.2858 0.5946 2.9723 Space Heating (MWh) 0.9364	0.0889 0.1818 0.9613 Space Heating Natural Gas (MWH) 0.226	0.1965 0.4128 2.011 Space Heating Se Electricity (MWh) 1	0 0.0004 0 0 0 0 3.48 0.3891 0.0248 iervice Water Heating Space Cooling Heat Rejection In Natural Gas (MWH) (MWH) 0	0.0366 0.0188 0.0378 0.0254 0.4452 0.2096 terior Central Fans Interior Local Fans Exhaus (MWh) (MWh) (WWh)	0 0 0 0 9.4371 Area 92 TEUI 102.5772 kWh/m ³ .yr	Nov 01-30 Dec 01-31 Total Date Jan 01-31	0 0.2769 0 0.5764 9 2.8762 92 TEDI 31.2630434 KWh/m ² yr ApHVAC room units ApHVAC heating heating load (MWh) 0.01383	Electricity Natural Gas	Emissions (kg) 0.95311483 Area 92 GHGI 10.3599438 kg CO ₂ /m2.yr Suite Energy Emissions (MVM) 6.1161 0.03 4.4413 0.13085714	GHGI (kg CO ₂₀ /m2.yr) North - 40% WWR TEUI (kWh/m2.yr) TEDI (kWh/m2.yr)	10.7 Open Balcony 116.0 44.3	10.4 Enclosed Balcony 102.6 31.3	4 Savings 12 29
Feb 01-28 Mar 01-31 Apr 01-30 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	0.0818 0.0651 0.0912 0.0723 0.0881 0.0699 0.0898 0.0719 0.0881 0.0699 0.0906 0.0721 0.0906 0.0721 0.0881 0.0699 0.0888 0.0719 0.0881 0.0699 0.0912 0.0723 1.0669 0.8492	0.7514 0.5568 0.2377 0.0578 0.0041 0.0001 0.0183 0.1838 0.3945 0.7917 3.9324	0.1854 0.1468 0.0682 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0399 0.0889 0.1818 0.9613	0.5659 0.41 0.1685 0.0395 0.0033 0 0.0142 0.1438 0.3056 0.6098 2.9711	0 0.0001 0 0 0.0008 0 0 0.0087 0.0002 0 0.0439 0.0023 0 0.0352 0.0052 0 0.1335 0.0085 0 0.1155 0.0011 0 0.0509 0.0032 0 0.0151 0.001 0 0.0032 0 0 0.0033 0 0 0.4468 0.0285	0.0341 0.0348 0.0378 0.0314 0.0366 0.0192 0.0378 0.0163 0.0366 0.0178 0.0378 0.0241 0.0378 0.0208 0.0366 0.0141 0.0378 0.0218 0.0366 0.0299 0.0378 0.0377 0.4452 0.3084	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	0 0.7328 0 0.5422 0 0.2308 0 0.056 0 0.004 0 0 0 0 0 0 0 0.01798 0 0.01798 0 0.01798 0 0.3856 0 0.3856 0 0.3853 4rea 92 7EDI 41599304		Emissions (kg) 0.98672383 Area 92 GHGI 10.725259	East - 40% WWR TEUI (kWh/m2.yr) TEDI (kWh/m2.yr) TEDI (kWh/m2.yr) GHGI (kg CO ₂₀ /m2.yr)	10.8 Open Balcony 114.8 41.7 10.7	10.4 Enclosed Balcony 101.7 28.5 10.3	4 Savings 11 32 4
East- 40% W Date	WR-Enclosed Balcony Interior Lighting Other Process (MWh) (MWh)	Space Heating (MWh)	Space Heating Natural Gas (MWh)	Space Heating Se Electricity (MWh) I	iervice Water Heating Space Cooling Heat Rejection I Natural Gas (MWh) (MWh) (MWh)	terior Central Fans Interior Local Fans Exhaus (MWh) (MWh) (MV	kWh/m².yr st Fans Pumps Wh) (MWh)	Date	kWh/m ² .yr ApHVAC room units ApHVAC heating heating load (MWh) coils load (MWh)	Electricity	kg CO ₃₄ /m2.yr Suite Energy Emissions (MWh) (kg/MWh) 4.9156 0.03	Average - 40% WWR	Open Balcony	Enclosed Balcony	Savings
Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31	0.0898 0.0719 0.0818 0.0651 0.0912 0.0723 0.0881 0.0699 0.0898 0.0719 0.0881 0.0699 0.0906 0.0721 0.0904 0.0721	0.6885 0.5354 0.3747 0.1501 0.0268 0.0008 0 0.0001	0.226 0.1854 0.1468 0.0692 0.0183 0.0008 0 0.0001	0.4625 0.35 0.2279 0.0809 0.0085 0 0 0 0	0 0.0001 0 0 0.0002 0 0 0.014 0.0012 0 0.054 0.0012 0 0.0524 0.0033 0 0.0909 0.0058 0 0.1407 0.009 0 0.1209 0.0077	0.0378 0.0315 0.0341 0.0275 0.0378 0.0229 0.0366 0.0153 0.0378 0.0132 0.0366 0.0179 0.0378 0.0242 0.0378 0.0242	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-30 Jun 01-30 Jul 01-31 Aug 01-31	0 0.6559 0 0.5169 0 0.36 0 0.1432 0 0.025 0 0.0007 0 0 0 0	Natural Gas	4.4413 0.18085714	TEDI (kWh/m2.yr) TEDI (kWh/m2.yr) GHGI (kg CO ₂₀ /m2.yr)	41.6 10.7	28.5	5 31 3 4
Sep 01-30 Oct 01-31	0.0881 0.0699 0.0898 0.0719	0.0075 0.1074	0.0041 0.0399	0.0034 0.0675	0 0.0606 0.0039 0 0.018 0.0012	0.0366 0.0144 0.0378 0.0147	0 0 0 0	Sep 01-30 Oct 01-31	0 0.0071 0 0.1034			Toronto Green Standar	rd Version 4 Tier 1 1	argets	
Nov 01-30 Dec 01-31 Total	0.0881 0.0699 0.0912 0.0723 1.0669 0.8492	0.254 0.5745 2.7198	0.0889 0.1818 0.9613	0.1652 0.3927 1.7585	0 0.0009 0.0001 0 0 0 3.48 0.5078 0.0324	0.0366 0.0227 0.0378 0.0297 0.4452 0.2556	0 0 0 0 0 9.3569 Area 92 TEUI 101.7054	Nov 01-30 Dec 01-31 Total	0 0.2451 0 0.5563 0 2.6237 Area 92 TEDI 28.51847826		Emissions (kg) 0.95070883 Area 92 GHGI 10.3337916	TEUI (kWh/m2.yr) TEDI (kWh/m2.yr)	135 50	U • • •	

Lumon Canada

80% WWR – South & West

South - 40% WWR - Open Balcony

Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jul 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31	Interior Lighting O (MWh) 0.0898 0.0818 0.0912 0.0881 0.0898 0.0881 0.0906 0.0904 0.0881 0.0881 0.0881 0.0882 0.0881	ther Process (MW/h) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0699 0.0721 0.0699 0.0719	Space Heating (MWh) 0.8379 0.6845 0.5316 0.2689 0.0786 0.007 0 0.0001 0.0001 0.0197 0.1722 0.3351 0.7084	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0083 0.0001 0.0001 0.0001 0.0399 0.0899 0.0899	Space Heating Electricity (MWh) 0.6119 0.3848 0.1997 0.0603 0.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Cooling H (MWh) 0.0009 0.0025 0.0031 0.0043 0.0306 0.112 0.0914 0.0461 0.025 0.0095 0.0018	eat Rejection Ir (MWh) 0.0001 0.0002 0.0003 0.002 0.0042 0.0072 0.0058 0.0029 0.0016 0.0001 0.0001	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0376 0.0378	terior Local Fans E (MWk) 0.0363 0.0318 0.0205 0.0138 0.0148 0.0205 0.0171 0.0116 0.0193 0.0238 0.0238 0.0337 0.0238	ixhaust Fans Pumps (MWh) (MWh) 0		Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31	ApHVAC room unit	ApHVAC heating coils load (MWN) 0 0.666 0 0.5169 0 0.262 0 0.0767 0 0 0 0 0 0 0 0 0 0 0.0193 0 0.1682 0 0.3262 0 0.3262	Electricity Natural Gas	Suite Energy (MWh) 5.7343 4.4413	 Emissions (kg/MWh) 0.03 0.18085714
South - 40% V	VWR-Enclosed Balco	0.8492	5.6459	0.9615	2.6825	5.48	0.3932	0.0251	0.4452	0.2722	Area TEUI	92 110.6043 kWh/m ² .yr	TOLA	Area TEDI	92 38.56195652 kWh/m ² .yr		Area GHGI	0.97328983 92 10.600759 kg CO ₂₀ /m2.yr
																	Suito Enorm	Emirriaar
	Interior Lighting O	ther Process	Space Heating	Space Heating	Space Heating	Service Water Heating S	bace Cooling H	eat Rejection Ir	terior Central Fans In	terior Local Fans E	xhaust Fans Pumps			ApHVAC room units	ApHVAC heating		(MWh)	(kg/MWh)
Date	(MWh)	(MWh)	(MWh)	Natural Gas (MWh)	Electricity (MWh)	Natural Gas (MWh)	(MWh)	(MWh)	(MWh)	(MWh)	(MWh) (MWh)		Date	heating load (MWh	coils load (MWh)	Electricity	4.6231	L 0.03
Jan 01-31 Feb 01-28	0.0898	0.0651	0.4789	0.1854	0.3774	0	0.0036	0.0002	0.0378	0.0257	0 0		Jan 01-31 Feb 01-28		0 0.5808	Natural Gas	4.4413	3 0.18085714
Mar 01-31	0.0912	0.0723	0.3397	0.1468	0.1929	0	0.0093	0.0004	0.0378	0.0175	0 0		Mar 01-31		0 0.325			
Apr 01-30	0.0881	0.0699	0.1524	0.0692	0.0832	0	0.0166	0.0011	0.0366	0.0123	0 0		Apr 01-30		0 0.1455			
May 01-31	0.0898	0.0719	0.033	0.0183	0.0147	0	0.0457	0.0029	0.0378	0.0107	0 0		May 01-31		0 0.0312			
Jun 01-30	0.0881	0.0699	0.0008	0.0008	0	0	0.085	0.0054	0.0366	0.0153	0 0		Jun 01-30		0 0.0007			
Aug 01-31	0.0908	0.0721	0.0001	0.0001	0	0	0.1324	0.0085	0.0378	0.0215	0 0		Aug 01-31		0 0			
Sep 01-30	0.0881	0.0699	0.007	0.0041	0.0029	0	0.069	0.0044	0.0366	0.0139	0 0		Sep 01-30		0 0.0066			
Oct 01-31	0.0898	0.0719	0.1	0.0399	0.0601	0	0.0321	0.002	0.0378	0.0138	0 0		Oct 01-31		0 0.096			
Nov 01-30	0.0881	0.0699	0.2175	0.0889	0.1286	0	0.0131	0.0008	0.0366	0.0159	0 0		Nov 01-30		0 0.2086			F
Dec 01-31 Total	1.0669	0.0723	2 4389	0.1818	0.3243	3.48	0.0034	0.0002	0.0378	0.0235	0 0	9.0644	Dec 01-31 Total		0 0.488			0 94193383
iotai	1.0005	0.0451	2.4505	0.5015	1.4770	5.40	0.3377	0.0345	0.4452	0.1111	Area	92	lotai	Area	92		Area	92
											TEUI	98.52609		TEDI	25.46521739		GHGI	10.2384112
												kWh/m².yr			kWh/m².yr			kg CO ₂₀ /m2.yr
West - 40% W	WR-Open Balcony																	
																	Suite Energy	y Emissions
	Interior Lighting O	ther Process	Space Heating	Space Heating	Space Heating	Service Water Heating S	bace Cooling H	eat Rejection Ir	terior Central Fans In	terior Local Fans E	xhaust Fans Pumps			ApHVAC room units	ApHVAC heating		Suite Energy (MWh)	y Emissions (kg/MWh)
Date	Interior Lighting O (MWh)	ther Process (MWh)	Space Heating (MWh)	Space Heating Natural Gas (MWh)	Space Heating Electricity (MWh)	Service Water Heating S Natural Gas (MWh)	oace Cooling H (MWh)	eat Rejection Ir (MWh)	terior Central Fans In (MWh)	terior Local Fans E (MWh)	xhaust Fans Pumps (MWh) (MWh)		Date	ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh)	Electricity	Suite Energy (MWh) 6.1351	y Emissions (kg/MWh) L 0.03
Date Jan 01-31 Feb 01-28	Interior Lighting O (MWh) 0.0898 0.0818	ther Process (MWh) 0.0719 0.0651	Space Heating (MWh) 0.9363 0.7497	Space Heating Natural Gas (MWh) 0.226 0.1854	Space Heating Electricity (MWh) 0.7103 0.5642	Service Water Heating S _I Natural Gas (MWh) 0 0	oace Cooling H (MWh) 0 0.0006	eat Rejection Ir (MWh) 0 0	terior Central Fans Ini (MWh) 0.0378 0.0341	terior Local Fans E (MWh) 0.0395 0.0334	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0		Date Jan 01-31 Feb 01-28	ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) L 0.03 3 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31	Interior Lighting O (MWh) 0.0898 0.0818 0.0912	ther Process (MWh) 0.0719 0.0651 0.0723	Space Heating (MWh) 0.9363 0.7497 0.5499	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031	Service Water Heating S Natural Gas (MWh) 0 0 0	oace Cooling H (MWh) 0 0.0006 0.0029	eat Rejection Ir (MWh) 0 0 0.0002	terior Central Fans In (MWh) 0.0378 0.0341 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31	ApHVAC room units heating load (MWh	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) L 0.03 3 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30	Interior Lighting O (MWh) 0.0898 0.0818 0.0912 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0692	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.1876	Service Water Heating Sj Natural Gas (MWh) 0 0 0 0	oace Cooling H (MWh) 0 0.0006 0.0029 0.0089	eat Rejection Ir (MWh) 0 0.0002 0.0006	terior Central Fans In (MWh) 0.0378 0.0341 0.0378 0.0366	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.019	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30	ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) L 0.03 3 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31	Interior Lighting O (MWh) 0.0898 0.0818 0.0912 0.0881 0.0898 0.0898	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0678 0.0078	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0692 0.0183 0.0089	Space Heating Electricity (MWh) 0.5642 0.4031 0.1876 0.0495	Service Water Heating Sj Natural Gas (MWh) 0 0 0 0 0 0	oace Cooling H (MWh) 0.0006 0.0029 0.0089 0.0444	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0055	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0378 0.0366 0.0378 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.019 0.0156	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31	ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.066	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) L 0.03 3 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Iul 01-31	Interior Lighting O (MWh) 0.0898 0.0818 0.0912 0.0881 0.0898 0.0881 0.0906	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721	Space Heating (MWh) 0.9363 0.7497 0.5699 0.2568 0.0678 0.0035 0.00	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0692 0.0183 0.0008 0	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0495 0.0027 0	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0	Dace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.019 0.0156 0.0175 0.0246	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30	ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.0066 0 0.0034 0 0 0	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) L 0.03 3 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31	Interior Lighting Of (MWh) 0.0898 0.0818 0.0818 0.0881 0.0881 0.0898 0.0881 0.0906 0.0904	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0721	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0678 0.0035 0 0.0001	Space Heating Natural Gas (MWh) 0.226 0.14554 0.0592 0.0183 0.0008 0 0.0001	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0495 0.0027 0 0 0 0	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166	eat Rejection Ir (MWh) 0 0.0002 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.019 0.0156 0.0175 0.0246 0.0212	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31	ApHVAC room unitt heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.2499 0 0.066 0 0.0034 0 0 0	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) L 0.03 3 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30	Interior Lighting O (MWh) 0.0818 0.0818 0.0812 0.0881 0.0881 0.0906 0.0904 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0721 0.0699	Space Heating (MWh) 0.9363 0.7497 0.2568 0.0578 0.0035 0 0.0001 0.0229	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0083 0 0.0001 0.0001	Space Heating Electricity (MWh) 0.5642 0.4031 0.1876 0.0495 0.00495 0.00495 0.0070 0 0 0.0188	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	bace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031	terior Central Fans Int (MWh) 0.0378 0.0341 0.0376 0.0378 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.019 0.0156 0.0175 0.0246 0.0212 0.0125	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30	ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.0066 0 0.0034 0 0 0 0 0 0.0225	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) L 0.03 3 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31	Interior Lighting O (MWh) 0.0898 0.0818 0.0912 0.0881 0.0881 0.0906 0.0906 0.0904 0.0881 0.0881 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0721 0.0699 0.0719	Space Heating (MWh) 0.9363 0.5497 0.5499 0.2568 0.0035 0 0.0035 0 0.0001 0.0229 0.1915	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0089 0 0.0080 0 0.0001 0.0001 0.0001	Space Heating Electricity (NWM) 0.7103 0.5642 0.0495 0.0495 0.0027 0 0 0 0 0.0188 0.1516	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	bace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0366 0.0378	terior Local Fans E (MWk) 0.0395 0.0334 0.0278 0.019 0.0156 0.0175 0.0246 0.0212 0.0125 0.0125 0.0195	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31	ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.066 0 0.0034 0 0 0 0 0 0 0 0 0 0.0225 0 0.1875	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) 0.03 3 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01 21	Interior Lighting O (MWVh) 0.0898 0.0818 0.0912 0.0881 0.0898 0.0881 0.0898 0.0881 0.0906 0.0904 0.0881 0.0898 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0699 0.0721 0.0699 0.0719 0.0699 0.0719	Space Heating (MWh) 0.3363 0.7497 0.5499 0.2558 0.0035 0.0001 0.0001 0.0229 0.1915 0.3888 0.7929	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0039 0.0889	Space Heating Electricity (MWh) 0.7103 0.642 0.4031 0.1876 0.0495 0.0027 0 0 0.0188 0.0027 0 0 0.0186 0.027 0 0 0.0186 0.01516 0.33 0.6510 0.6510	Service Water Heating S(Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006	eat Rejection Ir (MWh) 0 0.0002 0.0002 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009 0	terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0125 0.0155 0.0258	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Oct 01-31	ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.0466 0 0.0034 0 0 0 0 0 0.0225 0 0.1875 0 0.3799 0 0.7555	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	y Emissions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	Interior Lighting O (MWWh) 0.0888 0.0818 0.0881 0.0881 0.09906 0.09904 0.0881 0.0898 0.0881 0.0898 0.0881 0.0891 0.0893	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0699 0.0719 0.0699 0.0719 0.0699 0.0723	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2558 0.0678 0 0.00035 0 0.0001 0.0229 0.1915 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1864 0.0692 0.0183 0.0008 0 0.0001 0.0001 0.0399 0.0889 0.1818 0.9513	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0495 0.0027 0 0 0 0.0188 0.1516 0.316 0.316 0.316 0.316 0.316 0.32 0.2896	5ervice Water Heating 5; Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006 0 0.4623	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009 0 0 0.02295	terior Central Fans Im (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0366 0.0378 0.0366 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0125 0.0125 0.0258 0.0258 0.0361 0.2924	ixhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0	10.5764	Date Jan 01-31 Feb 01-28 Mar 01-31 Aug 01-31 Jun 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room units	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.0499 0 0.0066 0 0.0034 0 0 0 0 0.0225 0 0.1875 0 0.3799 0 0.7656 0 3.8548	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	 Y Emissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383
Date Jan 01-31 Feb 01-28 Mar 01-31 Ayr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	Interior Lighting O (WW/h) 0.0898 0.0818 0.0912 0.0881 0.0881 0.0984 0.0881 0.0904 0.0881 0.0904 0.0898 0.0898 0.0898 0.0881 0.0912	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0699 0.0721 0.0699 0.0723 0.8492	Space Heating (MWh) 0.7437 0.5499 0.2568 0.0678 0.0035 0 0.0001 0.0229 0.1915 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.468 0.0692 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0001 0.0399 0.0889 0.8889 0.8889 0.8889	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0495 0.0027 0 0 0.0184 0.0027 0 0 0.01816 0.31516 0.33 0.0519 2.9896	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	cace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006 0 0.4623	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009 0 0 0.0295	terior Central Fans Int (MWh) 0.0378 0.0341 0.0366 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.019 0.0156 0.0175 0.0246 0.0212 0.0125 0.0258 0.0361 0.2924	ixhaust Fans Pumps (MWh) (NWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room units heating load (MWH)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.2499 0 0.0666 0 0.0034 0 0 0 0 0 0.0225 0 0.1875 0 0.3799 0 0.7566 0 3.8548 92	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413	 Emissions (kg/MVh) 0.03 0.18085714 Emissions (kg) 0.92729383 92
Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	Interior Lighting O (MWh) 0.0888 0.0912 0.0881 0.0881 0.0881 0.0904 0.0881 0.0881 0.0881 0.0912 1.0669	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0699 0.0719 0.0699 0.0719 0.0699 0.0723 0.8492	Space Heating (MWh) 0.9363 0.7497 0.2569 0.0678 0.0057 0.0001 0.0229 0.1915 0.3888 0.7838 3.351	Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.0183 0.0001 0.0001 0.0001 0.0001 0.0001 0.0039 0.0889 0.1818 0.3613	Space Heating Electricity (MWh) 0.7103 0.642 0.4031 0.1876 0.0495 0.0027 0 0 0 0.0188 0.1516 0.3 3 0.6019 2.9896	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dace Cooling Hi (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006 0 0.4623	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.0009 0 0 0.0295	terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0378 0.0378 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.019 0.0175 0.0246 0.0212 0.0125 0.0195 0.0258 0.0361 0.2924	Chaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609	Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room units heating load (MWh) Area TEDI	ApHVAC heating coils load (NWh) 0 0.9137 0 0.7311 0 0.2352 0 0.2459 0 0.066 0 0.0034 0 0 00 0 0.0225 0 0.1875 0 0.1875 0 0.7656 0 3.8548 92	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI	 Fmissions (kg/MWh) 1 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7311547
Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	Interior Lighting O (MWh) 0.0888 0.0912 0.0881 0.0881 0.0881 0.0904 0.0881 0.0884 0.0884 0.0881 0.0884 0.0881 0.0881 0.0912 1.0669	ther Process (MWk) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0699 0.0721 0.0721 0.0699 0.0719 0.0699 0.0719 0.8492	Space Heating (MWh) 0.7497 0.5499 0.2568 0.00578 0.0005 0.0005 0.00029 0.1315 0.3858 0.7838 0.7838 3.3551	Space Heating Natural Gas (MWP) 0.226 0.1554 0.0592 0.0183 0.0001 0.0001 0.0001 0.0001 0.0099 0.0889 0.1818 0.9613	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0027 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	oace Cooling H (MWh) 0 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006 0 0 0.4623	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.009 0 0 0.0295	terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.019 0.0156 0.0175 0.0246 0.0212 0.0125 0.0125 0.0125 0.0258 0.0258 0.0361 0.2924	ixhaust Fans Pumps (MWh) (MWh) 0	10.5764 92 114.9609 kWh/m².yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Aug 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWh) heating load (MWh)	ApHVAC heating coils1aad (MWAh) 0 0.3137 0 0.3137 0 0.3352 0 0.0459 0 0.066 0 0.0034 0 0.003 0 0.0225 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.4875 0 0.3759 0 0.4875 0 0.3759 0 0.4875 0 0.4975 0 0.4975 0 0.000 0 0.0000 0 0.00000 0 0.0000 0 0.0000 0 0.0000 0 0.00000000	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI	 Emissions (kg/MWh) 1 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO₂/m2.yr
Date Jan 01-31 Feb 01-28 Mar 01-31 Ayr 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0881 0.0904 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881	ther Process (MWh) 0.0719 0.06519 0.0723 0.0699 0.0721 0.0699 0.0721 0.0719 0.0719 0.0719 0.0719 0.0713 0.0719 0.0723 0.8492	Space Heating (MWh) 0.3453 0.7497 0.25499 0.2568 0.00678 0.0078 0.0021 0.0229 0.1915 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0692 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0001 0.0001 0.0399 0.0889 0.8818 0.9613	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0495 0.0027 0 0 0.01876 0.027 0 0 0.01816 0.31516 0.33 0.06019 2.9896	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	oace Cooling H (MWh) 0.0005 0.0029 0.0089 0.0444 0.087 0.1166 0.0492 0.0138 0.0006 0.04623	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0028 0.0035 0.0031 0.0031 0.0031 0.0031 0.0295	terior Central Fans Im (MWh) 0.378 0.0378 0.0386 0.0386 0.0378 0.0366 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans E (MWk) 0.0395 0.0334 0.0278 0.019 0.0155 0.0246 0.0212 0.0125 0.0212 0.0125 0.0258 0.0361 0.2924	Chaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 kWh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Se 01-30 Oct 01-31 Nov 01-31 Nov 01-31 Total	ApHVAC room unit heating load (MWh) heating load (MWh) Area TEDI	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.2332 0 0.2499 0 0.066 0 0.0034 0 0 0 0 0.0225 0 0.1875 0 0.3799 0 0.7656 0 3.8548 92 92 41.9 KWh/m ² .yr	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 A.4413 Area GHGI	 Finissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO ₂ /m2.yr
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	Interior Lighting O (MWh) 0.0888 0.0912 0.0881 0.0881 0.0880 0.0881 0.0906 0.0904 0.0881 0.0888 0.0881 0.0904 0.0881 0.0892 1.0669	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0699 0.0721 0.0699 0.0721 0.0699 0.0723 0.0699 0.0723 0.8492	Space Heating (MWN) 0.9363 0.7497 0.5499 0.2568 0.0678 0.0001 0.0229 0.1915 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1468 0.0692 0.0183 0.0001 0.0001 0.0001 0.0001 0.0001 0.0399 0.888 0.1818 0.9613	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.0495 0.027 0 0 0.0187 0 0.027 0 0 0.0188 0.027 0 0 0.0184 0.027 0 0 0.019 0.01516 0.33 0.6019 2.9896	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	oace Cooling H (MWh) 0.0005 0.0029 0.0089 0.0444 0.087 0.1166 0.0492 0.0138 0.0006 0 0.04623	eat Rejection Ir (MWh) 0 0 0.0002 0.0005 0.0028 0.0056 0.0088 0.0074 0.0009 0 0 0.0099 0 0.0295	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0376 0.0378 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans E (MWh) 0.0395 0.0334 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0125 0.0125 0.0125 0.0258 0.0361 0.2924	224 aust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 kWh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWh) Area TEDI	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2459 0 0.066 0 0.0034 0 0 0 0.0225 0 0.1875 0 0.3799 0 0.7656 0 3.8548 92 41.9 KWh/m ² .yr	Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy	 Finissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO₃/m2.yr Finissions
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Nov 01-30 Dec 01-31 Total West -40% W	Interior Lighting O (MWh) 0.0838 0.0818 0.0818 0.0838 0.0881 0.0906 0.0904 0.0881 0.0906 0.0904 0.0881 0.0905 0.0904 0.0881 0.0912 1.0669 WR - Enclosed Balcon	ther Process (MWk) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0721 0.0721 0.0723 0.0699 0.0719 0.0699 0.0719 0.0699 0.0723 0.8492	Space Heating (MWh) 0.9363 0.7499 0.2568 0.00578 0.0005 0.00078 0.00078 0.00078 0.00078 0.00078 0.00078 0.3888 0.7838 3.3551	Space Heating Natural Gas (MWP) 0.226 0.1554 0.0592 0.0183 0.0001 0.00000000	Space Heating Electricity (MWh) 0.7103 0.5642 0.4031 0.1876 0.0027 0 0 0 0.0198 0.3516 0.359 0.35966 0.35966 0.35966 0.35966 0.35966 0.	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	oace Cooling H. (MWh) 0.0006 0.0029 0.0089 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.0006 0 0.4623	eat Rejection Ir ((MWh) 0 0.0002 0.0005 0.0028 0.0056 0.0088 0.0074 0.0009 0 0.00295	terior Central Fans In (MWh) 0.3378 0.3381 0.3365 0.3378 0.3365 0.3378 0.3378 0.3378 0.3378 0.3378 0.3378 0.3378 0.3378 0.3378 0.3378 0.3378 0.3378	terior Local Fans E (MWN) 0.0395 0.0334 0.019 0.0156 0.0175 0.0246 0.0125 0.0125 0.0125 0.0125 0.0125 0.0125 0.0238 0.0361 0.2924	Adaust Fans Pumps (MWh) (MWh) 0 0 0	10.5764 99 114.9609 kWh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total	ApHVAC room unit heating load (MWh) Area TEDI	ApHVAC heating coils1aad (MWAh) 0 0.3137 0 0.3137 0 0.3352 0 0.2499 0 0.066 0 0.0034 0 0.003 0 0 0 0 0.0225 0 0.3759 0 0.2759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.3759 0 0.4875 0 0.3759 0 0.4875 0 0.3759 0 0.4875 0 0.000 0 0.0000 0 0.00000 0 0.00000000	Electricity Natural Gas	Suite Energy (MWh) 6.3551 4.4413 Area GHGI Suite Energy (MWh)	 Finissions (kg/MWh) (kg/MWh) (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 92 92 92 92 92 92 92 92 92 92 92 92
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Total West - 40% W	Interior Lighting O (MWh) 0.0898 0.0818 0.0912 0.0881 0.0881 0.0904 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0884 0.0881 0.088440000000000	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0719 0.0721 0.0721 0.0721 0.0723 0.8492 W ther Process (MWh) 0.0719	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0078 0.001 0.0229 0.1915 0.3888 0.7838 3.951	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1652 0.0183 0.0008 0 0.0001 0.0001 0.0001 0.0001 0.0399 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0889 0.0899 0.0899 0.0899 0.0899 0.0899 0.0899 0.0899 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.000000	Space Heating Electricity (MWh) 0.7103 0.7403 0.4031 0.0495 0.0027 0 0 0.01876 0.3 0 0.01876 0.3 0.019 2.9896 Space Heating Electricity (MWh) 0.4590 0.4590	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dace Cooling H. (MWh) 0.0006 0.0029 0.0039 0.0444 0.037 0.1383 0.1166 0.0492 0.0138 0.04623 0.04623 0.04623	eat Rejection Ir ((MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.0099 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.4452	terior Local Fans B (MWh) 0.0395 0.0334 0.0278 0.0278 0.0278 0.0275 0.0275 0.0275 0.0246 0.0212 0.0212 0.0212 0.0228 0.0351 0.0258 0.0351 0.0258 0.0351 0.0258 0.0351 0.0258 0.0351 0.0258 0.0351 0.0258 0.0355 0.0278 0.0355 0.0355 0.0278 0.0355 0.0278 0.0355 0.0278 0.0355 0.0278 0.0355 0.0278 0.0355 0.0278 0.0355 0.0278 0.0355 0.0278 0.0258 0.0278 0.0258 0.0355 0.0258 0.0355 0.0258 0.0355 0.0258 0.0355 0.0258 0.0355 0.0258 0.0355 0.0258 0.0355 0.0258 0.0355 0.0258 0.03	chaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 kWh/m ² .yr	Date Jan 0.1-31 Feb 01-28 Mar 01-31 Map 01-31 Jan 01-30 Jal 01-31 Aug 01-31 Nov 01-30 Oct 01-31 Nov 01-30 Det 01-31 Total	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.3137 0 0.7311 0 0.5332 0 0.2499 0 0.066 0 0.0034 0 0 0 0.0225 0 0.1875 0 0.1875 0 0.3799 0 0.7656 0 3.8548 92 41.9 KWh/m ² .yr ApHVAC heating coilsload (MWh) 6673	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706	 Finisions (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.18085714 0.18085714 0.18085714 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Oct 01-31 Nov 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total West -40% W Date Jan 01-31 Feb 01-28	Interior Lighting O (MWh) 0.0898 0.0618 0.0912 0.0881 0.0906 0.0881 0.0881 0.0888 0.0881 0.0881 0.0881 0.0881 0.0881 0.0659 WR - Enclosed Balcon (MWh) 0.0818	ther Process (MWh) 0.0651 0.0723 0.0699 0.0719 0.0719 0.0721 0.0721 0.0719 0.0721 0.0699 0.0719 0.0723 0.8492 W ther Process (MWh) 0.0719 0.0751 0.07519	Space Heating (MWN) 0.9363 0.7497 0.5499 0.2568 0.0057 0.0001 0.0229 0.1015 0.3888 0.7838 3.951 Space Heating (MWN) 0.6399 0.5397	Space Heating Natural Gas (MWh) 0.226 0.1854 0.4683 0.0083 0 0.0001 0.0001 0.0001 0.0041 0.0399 0.889 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.2854	Space Heating Electricity (MWh) 0.7103 0.642 0.4031 0.1876 0.0495 0.0027 0 0 0.0188 0.1516 0.3 0.516 0.3 0.6019 2.9896 Space Heating Electricity (MWh) 0.4592	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	oace Cooling H. (MWh) 0 0.0006 0.0029 0.0444 0.087 0.1383 0.1166 0.0492 0.0138 0.04623 0 0.4623 0 0.4623	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0028 0.0028 0.0028 0.0028 0.00295 0.0295 eat Rejection Ir 0.0295	terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0376 0.0378 0.0376 0.0378 0.0341 0.0378 0.0341 0.0378 0.0341 0.0378 0.0341 0.0378 0.0341 0.0378 0.0341 0.0378 0.0341 0.0378 0.0341 0.0378 0.0366 0.0378 0.0340 0.03410000000000000000000000000000000000	terior Local Fans 16 (MWN) 0.0395 0.0334 0.019 0.0156 0.0175 0.0246 0.0212 0.0125 0.0258 0.0358 0.0358 0.0328 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0303 0.0244	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 KWh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Ap 01-30 May 01-31 Jal 01-31 Aug 01-31 Nov 01-30 O ct 01-31 Nov 01-30 Date Jan 01-31 Feb 01-28	ApHVAC room unit heating load (MWh) Area TED ApHVAC room unit heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.2352 0 0.2459 0 0.066 0 0.0034 0 0 0 0 0.0225 0 0.1875 0 0.1875 0 0.7566 0 3.8548 92 41.9 WWh/m ² ,yr ApHVAC heating coils load (MWh) 0 0.6673 0 0.5211	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finissions (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 0.98729383 92 10.7314547 kg CO₂/m2.yr Finissions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jaul 01-31 Jaul 01-31 Aug 01-31 Nov 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31	Interior Lighting O (MWh) 0.8898 0.8818 0.0818 0.0858 0.0859 0.0859 0.0859 0.0859 0.0859 0.0858 0.0858 0.0858 0.0851 1.0659 1.0659 MR - Enclosed Balcor (MWh) 0.0898 0.0818 0.0818 0.0898 0.0818 0.0898	ther Process (MWh) 0.0651 0.0723 0.0699 0.0721 0.0699 0.0721 0.0699 0.0723 0.8492 VY ther Process (MWh) 0.0719 0.0719 0.0719 0.0723 0.8492	Space Heating (MWh) 0.3963 0.7499 0.5499 0.2678 0.0001 0.0229 0.1915 0.3888 0.7838 3.951 Space Heating (MWh) 0.5897 0.3771	Space Heating Natural Gas (MWP) 0.226 0.1554 0.1658 0.0692 0.0183 0.0001 0.0011 0.0011 0.0011 0.0399 0.6889 0.1818 0.9613 Space Heating Natural Gas (MWP) 0.226 0.1685	Space Heating Electricity (MWh) 0.3103 0.5602 0.4031 0.1375 0.0405 0.0405 0.0405 0.0405 0.0405 0.0405 0.0188 0.1516 0.3 0.0519 2.9896 Space Heating Electricity (MWh) 0.4639 0.3542 0.2303	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	bace Cooling H. (MWh) 0.0006 0.0029 0.0039 0.0444 0.033 0.1166 0.0462 0.0138 0.0002 0.04623 0.04623 0.04623	eat Rejection Ir (MWh) 0 0.0002 0.0006 0.0028 0.0056 0.0088 0.0074 0.0031 0.0090 0 0.0295 0.0295	terior Central Fans Im (MWh) 0.0378 0.0378 0.0376 0.0376 0.0376 0.0378	terior Local Fans ((MWh) 0.0395 0.0334 0.0278 0.0278 0.0278 0.0278 0.0215 0.0215 0.0215 0.0215 0.0215 0.0225 0.0258 0.02	Schaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 kWh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-30 May 01-30 Jal 01-31 Jan 01-30 Oct 01-31 Nov01-30 Det 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	 ApHVAC heating coils load (MWh) 0 0.3137 0 0.3137 0 0.3352 0 0.2459 0 0.066 0 0.066 0 0.0225 0 0.1675 0 0.3799 0 0.7656 0 3.8548 92 92 91, yr ApHVAC heating coils load (MWh) 0 0.5211 0 0.5214 	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9413	 Finissions (kg/MWh) (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.180723938 92 10.7314547 kg CO₂/m2.yr remissions (kg/MWh) 5 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total West - 40% M Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30	Interior Lighting O (MW/h) 0.0898 0.0912 0.0818 0.0981 0.0881 0.0906 0.0904 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0669 WR - Enclosed Balcon Interior Lighting O (MW/h) 0.0888 0.0818 0.0818	ther Process (MWh) 0.0713 0.0651 0.0723 0.0699 0.0721 0.0699 0.0721 0.0699 0.0721 0.073 0.8492 W ther Process (MWh) 0.0713 0.0651 0.0713 0.0651	Space Heating (MWh) 0.9363 0.7497 0.2649 0.0678 0.0021 0.0229 0.1915 0.3888 0.7838 3.951 Space Heating (MWh) 0.6899 0.3771 0.3597 0.3771	Space Heating Natural Gas (MWh) 0.226 0.1854 0.468 0.0092 0.0183 0 0.0001 0.0001 0.0001 0.0001 0.0001 0.0399 0.0889 0.8889 0.9613 0.9613	Space Heating Electricity (MWh) 0.7103 0.642 0.4031 0.0495 0.0495 0.0027 0 0 0.0186 0.3 0.0027 0 0 0.0186 0.3 3 0.6019 2.9896 Space Heating Electricity (MWh) 0.3542 0.3542 0.2303	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	bace Cooling H (MWh) 0 0.0005 0.0029 0.0444 0.033 0.1166 0.0492 0.1383 0.0006 0 0.4623 bace Cooling H (MWh) 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0028 0.0028 0.0029 0.0029 0.0029 0.0029 0.0295 0.0295	terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0366 0.0378 0.4452 terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0341	terior Local Fans B (MWh) 0.0395 0.0394 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0258 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0354 0.02924	Chaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 kWh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Map 01-31 Jan 01-30 Jau 01-31 Nov 01-30 Oct 01-31 Nov 01-30 Date Jan 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.0661 0 0.0024 0 0 0 0 0.0225 0 0.1875 0 0.1875 0 0.7656 0 3.8548 92 41.9 WWh/m ² .yr ApHVAC heating coils load (MWh) 0 0.6673 0 0.5211 0 0.3521 0 0.3521 0 0.3533	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finisions (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.18025714 0.18025714 0.18025714 0.18045714 (kg/MWh) (kg/MWh) 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total West - 40% W Date Jan 01-31 Jan 01-31 Mar 01-31 Apr 01-30 Mar 01-32	Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0888 0.0881 0.0906 0.0904 0.0881 0.0905 0.0904 0.0881 0.0905 0.0904 0.0881 0.0912 1.0669 WR - Enclosed Balcon (MWh) 0.0818 0.0912 0.0912 1.0659	ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.07711 0.0699 0.07711 0.0699 0.0721 0.0492 0.0721 0.0492 0.0719 0.0719 0.0492 0.0719 0.0711 0.0721 0.0711 0.0721 0.0711 0.0721 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0719 0.0711 0.0711 0.0711 0.0773 0.0775 0.0775 0.	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.00578 0.0001 0.0229 0.1015 0.3888 0.7838 3.951 Space Heating (MWh) 0.6599 0.3597 0.3771 0.1602 0.0319	Space Heating Natural Gas (MWh) 0.226 0.1854 0.4683 0.0083 0 0.0001 0.0001 0.0001 0.0041 0.0399 0.889 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854 0.1854 0.1854 0.0692 0.01854	Space Heating Electricity (MWH) 0.7103 0.5642 0.4031 0.1876 0.0405 0.0027 0 0 0 0 0 0.0188 0.1516 0.3 0.619 2.9896 Electricity (MWH) 0.4592 0.3542 0.3542 0.3542 0.3542 0.3542	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date Cooling H. (MWh) 0 0.0006 0.0029 0.0444 0.03 0.1166 0.0492 0.0138 0.0006 0.4623 0.4623 0.4623 0.4623 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0055 0.05555 0.05555 0.05555 0.05555 0.05555	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0025 0.0056 0.0028 0.0074 0.0001 0.0029 0 0 0.0295 0.0295	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0366 0.0378 0.0378 0.0378 0.0366 0.0378 0.0378 0.04452 terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0341 0.0378	terior Local Fans 16 (MWN) 0.0395 0.0334 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0258 0.0358 0.0358 0.0328 0.0328 0.0328 0.0328 0.0328 0.0303 0.0224 0.0303 0.0204 0.0303 0.0204 0.0312 0.0196	xhaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 kWh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30 Uni 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Total Date Jan 01-32 Mar 01-31 Feb 01-32 Mar 01-31 Feb 01-32 Mar 01-31 Mar	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	ApHVAC heating coils load (NWh) 0 0.9137 0 0.7311 0 0.2352 0 0.2459 0 0.066 0 0.0034 0 0 0 0 0.0225 0 0.1875 0 0.1875 0 0.7566 0 3.8548 92 41.9 KWh/m ² .yt ApHVAC heating i coils load (NWh) 0 0.6673 0 0.5211 0 0.3533 0 0.023 1 0.025 1 0.025 1 0.025 0 0.025	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.970 4.4413	 Finissions (kg/MWh) (kg/MWh) (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 92 10.7314547 kg CO₃/m2.yr Emissions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Nov 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jun 01-30	Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0881 0.0881 0.0881 0.0881 0.0881 0.0994 0.0881 0.0994 0.0881 0.0994 1.0669 1.0669 1.0669 1.0669 MWR - Enclosed Balcon (MWh) 0.0898 0.0888 0.0888 0.0888 0.0888 0.0888 0.0888 0.0888	ther Process (MWh) 0.0719 0.0719 0.0659 0.0721 0.0699 0.0721 0.0699 0.0721 0.0699 0.0721 0.0699 0.0723 0.8492 V ther Process (MWh) 0.0719 0.0651 0.0713 0.0651 0.0729 0.0651 0.0729 0.0651 0.0729 0.0651 0.0729 0.0651 0.0729 0.0651 0.0729 0.0651 0.0729 0.0729 0.0751 0.0729 0.0751 0.0751 0.0751 0.0751 0.0759 0.0751 0.0751 0.0759 0.07510000000000000000000000000000000000	Space Heating (MWh) 0.9363 0.5499 0.2568 0.0678 0.0021 0.0219 0.1915 0.3888 0.7838 3.951 Space Heating (MWh) 0.6899 0.5397 0.5377 0.5477 0.5472 0.5416 0.5417 0.5517 0.5517 0.5517 0.5517 0.5517 0.5517 0.5517 0.551	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1854 0.0692 0.0008 0 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0039 0.0889 0.888 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854 0.226 0.1854 0.0169 0.0168 0.0168	Space Heating Electricity (MWh) 0.7103 0.5602 0.04051 0.04051 0.0405 0.0405 0.0405 0.0405 0.0405 0.0405 0.0405 0.0515 0.033 0.06019 2.9896 Space Heating Electricity (MWh) 0.3542 0.3542 0.2303 0.091 0.0135 0.0135	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date Cooling H (MWh) 0 0.0005 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0005 0 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0001 0.00000000	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0055 0.0055 0.0051 0.0001 0.0001 0.0295	terior Central Fans Int (MWh) 0.0378 0.0378 0.0378 0.0376 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.452 terior Central Fans Int (MWh) 0.03780000000000000000000000000000000000	terior Local Fans 6 (MWh) 0.03954 0.03954 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0301 0.0224 0.0303 0.0224 0.0303 0.0244 0.0303 0.0244 0.0144 0.0142 0.0144	Chaust Fans Pumps (MWh) (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 kWh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jul 01-31 Aug 01-31 Nov 01-30 Oct 01-31 Nov 01-30 Date Jan 01-31 Feb 01-28 Mar 01-31 Feb 01-28 Mar 01-31 Jul 01-31 Jul 01-31 Jul 01-31 Jul 01-31	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	 ApHVAC heating coils/load (MWh) 0.0157 0.7311 0.5352 0.2499 0.066 0.0034 0 0.025 0.1875 0.3799 0.7656 3.8548 92 41.9 kWh/m² yr ApHVAC heating coils/load (MWh) 0.5211 0.5241 0.5241 0.0252 0.3799 0.7656 0.3799 0.7656 0.3749 0.7656 0.3749 0.7656 0.3541 0.5211 0.6654 0.5211 0.5231 0.5231 0.5324 0.0320 0.0324 0.0425 	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finissions (kg/MWh) (kg/MWh) 0.03 0.18085714 0.18085714 0.98729383 0.98729383 10.7314547 kg CO₄/m2.yr rg Emissions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Total West - 40% M Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31	Interior Lighting O (MWh) 0.0888 0.0618 0.0912 0.0881 0.09906 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.081 0.0818 0.0818 0.0818 0.0912 1.0669	ther Process (MWh) 0.0651 0.0651 0.0699 0.07711 0.0699 0.07721 0.0699 0.07721 0.0699 0.0723 0.8492 W ther Process (MWh) 0.0719 0.0659 0.0719 0.0659 0.0719 0.0723	Space Heating (MWN) 0.9363 0.7497 0.5499 0.2568 0.0678 0.0001 0.0229 0.1929 0.3888 0.7838 3.3951 Space Heating (MWN) 0.6899 0.3771 0.6899 0.3771 0.6899 0.3771 0.6899 0.3771	Space Heating Natural Gas (MWh) 0.226 0.1854 0.468 0.0692 0.0183 0.0001 0.0001 0.0001 0.0399 0.0889 0.888 0.9613 Space Heating Natural Gas (MWh) 0.226 0.4854 0.49570 0.49570 0.4957000000000000000000000000000000000000	Space Heating Electricity (MWh) 0.7103 0.642 0.4031 0.1876 0.0495 0 0 0 0 0.0188 0.027 0 0 0.0188 0.31516 0.33 0.0519 2.9896 Electricity (MWh) 0.4639 Electricity (MWh) 0.3542 0.2303 0.03510000000000000000000000000000000000	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date Cooling H. (NWh) 0 0.0006 0.0029 0.0444 0.037 0.1166 0.0492 0.0138 0.0006 0 0.4623 0.4623 0.4623 0.0001 0.0005 0.0055 0.	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0055 0.0088 0.0074 0.0001 0.0003 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0378 0.0366 0.0378 0.0378 0.0378 0.4452 terior Central Fans Ini (MWh) 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans B (MWh) 0.0395 0.0334 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0258 0.0358 0.0358 0.0358 0.0358 0.0358 0.0358 0.0301 0.2924 terior Local Fans I (MWh) 0.0303 0.0244 0.0302 0.0252 0.0125	Ausst Fans Pumps (MWh) 0 0 0 0 0 0 0 0 0	10.5764 92 114.9609 kWh/m ² .yr	Date Jan 01-31 Feb 01-28 Mar 01-31 Apr 01-30 May 01-31 Jan 01-31 Aug 01-31 Nov 01-30 Oct 01-31 Nov 01-30 De 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Jan 01-31 J	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room units heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.2332 0 0.2439 0 0.066 0 0.0034 0 0 0 0 0.0225 0 0.1875 0 0.1875 0 0.7656 0 3.8548 92 41.9 KWh/m ² .yr ApHVAC heating coils load (MWh) 0 0.6673 0 0.5211 0 0.3521 0 0.3521 0 0.3533 0 0.0307 0 0.037 0 0.037 0 0.037 0 0.037 0 0.037 0 0.037 0 0.037 0 0.007 0 0 0 0 0 0 0 0 0	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finissions (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.98729383 92 10.7314547 kg CO₂/m2.yr remissions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Ayr 01-30 May 01-31 Jun 01-30 Oct 01-31 Sep 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Ayr 01-30 May 01-31 Jun 01-31 Sep 01-31 Sep 01-31	Interior Lighting O (MWh) 0.8898 0.8818 0.9812 0.0858 0.0858 0.0851 0.0904 0.0851 0.0921 1.0659 MWR - Enclosed Balcor (MWh) 0.0838 0.0831 0.0838 0.0831 0.0838 0.0881 0.0881 0.0894 0.0894	<pre>ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0723 0.073 0.0492 ther Process (MWh) 0.0719 0.0651 0.0723 0.0719 0.0651 0.0723 0.0719 0.0651 0.0721 0.0721 0.0721</pre>	Space Heating (MWh) 0.3963 0.7499 0.2589 0.0678 0.0079 0.1915 0.3888 0.7838 3.3511 Space Heating (MWh) 0.5897 0.3771 0.6899 0.5397 0.3771 0.6899 0.5397	Space Heating Natural Gas (MWP) 0.226 0.1554 0.1658 0.0692 0.0001 0.0001 0.0001 0.0001 0.0399 0.6889 0.6889 0.1818 0.9613 0.9613 0.9613 0.226 0.1854 0.622 0.1854 0.622 0.1854 0.622 0.1854 0.622 0.1854 0.622 0.1854 0.0183 0.0001	Space Heating Electricity (MWA) 0.7103 0.5602 0.0405 0.0405 0.0405 0.0405 0.0405 0.0405 0.0405 0.0516 0.0518 0.0518 0.0518 0.0518 0.0518 Electricity (MWA) 0.3542 0.3542 0.3203 0.035 0.0135 0 0 0 0 0.0135	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	acce Cooling H (MWh) 0 0.0005 0.0023 0.0442 0.0452 0.0452 0.0452 0.0452 0.0452 0.0005 0.04623 0.0005 0.04623 0.0001 0.0001 0.0001 0.0001 0.0001 0.0012 0.0055 0.0155 0.0155 0.0155 0.0155	eat Rejection Ir (MWh) 0 0.0005 0.0005 0.0028 0.0055 0.0028 0.0009 0 0.0029 0 0.0295 0 0.0295 0 0.0295 0 0.0295 0 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0001 0.0005	terior Central Fans Int (MWh) 0.0378 0.0378 0.03578 0.0356 0.03780000000000000000000000000000000000	terior Local Fans (MWh) 0.0395 0.0334 0.078 0.0155 0.0246 0.0115 0.0125 0.0246 0.0212 0.0125 0.0258 0.0254 0.0258 0.0258 0.0254 0.0258 0.0264 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0244 0.0258 0.0244 0.033 0.0254 0.0258 0.0254 0.0254 0.0258 0.0254 0.0255 0.0254 0.02550 0.02550 0.025500000000000000000	Schaust Fans Pumps 0 0	10.5764 92 114.969 kWh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mr 01-30 Mr 01-30 Mr 01-30 Jan 01-30 Oct 01-31 Nor01-30 Oct 01-31 Total Date Jan 01-31 Total Date Mr 01-31 Total Date Jan 01-31 Total Date Jan 01-31 Jan 01-31 Jan 01-30 Mr 01-30 Mr 01-30 Mr 01-30 Mr 01-30 Mr 01-30 Mr 01-30 Mr 01-30 Mr 01-30 Mr 01-30 Jan 01-30 Mr 01-30 Mr 01-30 Jan 01-30 Ja	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	 ApHVAC heating coils load (MWh) 0 0.3137 0 0.3137 0 0.3352 0 0.2459 0 0.066 0 0.066 0 0.0255 0 0.1875 0 0.3799 0 0.7556 0 3.8548 92 92 91,92 KWh/m², yr ApHVAC heating coils load (MWh) 0 0.6673 0 0.5211 0 0.5241 0 0.5624 0 0.3524 0 0.5231 0 0.030 0 0.000 0 0.000 	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finissions (kg/MWh) (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.98729383 92 10.7314547 10.7314547 10.7314547 (kg/MWh) 0.033 0.18085714
Date Jan 01.31 Feb 01-28 Mar 01.31 Apr 01.30 Jun 01.30 Jun 01.30 Jul 01.31 Sep 01.30 Oct 01.31 Total West - 40% W Date Jan 01.31 Feb 01.28 Mar 01.31 Apr 01.30 May 01.31 Jun 01.31 Sep 01.30 Jul 01.31 Sep 01.30 Oct 01.31	Interior Lighting O (MW/h) 0.0898 0.0818 0.0912 0.0881 0.0881 0.0904 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0881 0.0898 0.0818 0.0819 0.0888 0.0881 0.0881 0.0889 0.0881 0.0	ther Process (MWh) 0.0713 0.06511 0.0723 0.0699 0.0721 0.0699 0.0721 0.0699 0.0723 0.8492 w ther Process (MWh) 0.0719 0.0651 0.0721 0.0721900000000000000000000000000000000000	Space Heating (MWh) 0.9363 0.7497 0.5499 0.2568 0.0078 0.001 0.0229 0.1012 0.3888 0.7838 3.951 Space Heating (MWh) 0.5899 0.5397 0.3771 0.1602 0.0388 0.0388 0.03971	Space Heating Natural Gas (MWh) 0.226 0.1854 0.4682 0.0008 0 0.0001 0.0001 0.0001 0.0001 0.0399 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8889 0.8899 0.8144 0.9613 0.9613 0.9613 0.9613 0.9613 0.9613 0.96140 0.9614000000000000000000000000000000000000	Space Heating Electricity (MWh) 0.7103 0.542 0.4031 0.0495 0.0495 0.0027 0 0 0.0188 0.3516 0.3 3 0.06019 2.9896 Space Heating Electricity (MWh) 0.3542 0.2303 0.091 0.0491 0.0135 0.0091 0.0141	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Dece Cooling H (MWh) 0 0.0005 0.0029 0.0039 0.0444 0.033 0.0126 0.1166 0.0492 0.1383 0.0006 0 0.4623 Date Cooling H (MWh) 0.0001 0.0423 Date Cooling H (MWh) 0.0012 0.0012 0.0012 0.0012 0.0012 0.0129 0.1165 0.0129 0.1165 0.0129 0.1165 0.0129 0.1165 0.0012 0.0129 0.0129 0.1165 0.0012 0.0129 0.0129 0.0129 0.0129 0.0129 0.0129 0.0129 0.0129 0.0129 0.0129 0.0012 0.00	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0028 0.0028 0.0024 0.0001 0.0001 0.0295 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	terior Central Fans Int (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.4452 terior Central Fans Int (MWh) 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378 0.0378	terior Local Fans B (MWh) 0.0395 0.0394 0.0278 0.0156 0.0275 0.0246 0.0212 0.0125 0.0258 0.0358 0.0358 0.0358 0.0358 0.0301 0.2924 terior Local Fans 1 (MWh) 0.0303 0.0244 0.0142 0.0144 0.0143	Schaust Fans Pumps (MWh) 0 0 0 0 0	10.5764 92 114.9609 kWh/m ² .yr	Date Jan 0.1.31 Feb 01.28 Mar 01.30 May 01.31 Jau 01.30 May 01.31 Jau 01.30 Oct 01.31 Nov01.30 Dec 01.31 Total Date Jan 01.31 Feb 01.28 Mar 01.31 Feb 01.28 Mar 01.31 Seg 01.30 May 01.31 Jau 01.31 May	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	ApHVAC heating coils load (MWh) 0 0.9137 0 0.7311 0 0.5352 0 0.2499 0 0.066 0 0.0034 0 0 0 0 0.0225 0 0.1875 0 0.1875 0 0.3799 0 0.7656 0 3.8548 92 41.9 KWh/m ² .yr ApHVAC heating coils load (MWh) 0 0.5613 0 0.5613 0 0.5613 0 0.5613 0 0.5613 0 0.5614 0 0.0007 0 0 0 0	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finissions (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.92729383 92 10.7314547 kg CO₂/m2.yr (kg/MWh) (kg/MWh) (s 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Ary 01-30 May 01-31 Jun 01-30 Oct 01-31 Aug 01-31 Nov 01-30 Dec 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-30 Jun 01-30 Jun 01-30 Jun 01-30 Oct 01-31 Aug 01-31	Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0888 0.0881 0.0906 0.0904 0.0881 0.0906 0.0904 0.0881 0.0905 0.0904 0.0881 0.0905 0.0904 0.0881 0.0912 0.0888 0.0881 0.0888 0.0881 0.0952 0.0881 0.0888 0.0881 0.0881 0.0881 0.0881	ther Process (MWh) 0.0719 0.0651 0.0723 0.0669 0.0721 0.0721 0.0721 0.0723 0.0492 0.0723 0.0492 0.0723 0.0492 0.0719 0.0743 0.0492 0.0719 0.0719 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0723 0.0719 0.0723 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.0719 0.0723 0.07	Space Heating (MWH) 0.9363 0.7499 0.2568 0.0037 0.00078 0.0029 0.1915 0.3858 0.7838 0.7838 0.7838 0.7838 0.7838 0.7838 0.7838 0.7838 0.7838 0.7838 0.7838 0.7838 0.5397 0.5397 0.1000 0.5397 0.1010 0.0001 0.00000 0.00000 0.00000000	Space Heating Natural Gas (MWP) 0.226 0.1554 0.0552 0.0183 0.0001 0.0001 0.0001 0.0001 0.0889 0.1818 0.9613 5pace Heating Natural Gas (MWH) 0.226 0.1854 0.1854 0.1868 0.0003 0.0003 0.0001 0.0001 0.0001 0.0001	Space Heating Electricity (MWH) 0.7103 0.5642 0.4031 0.1876 0.0495 0.0495 0.0495 0.0495 0.3542 0.3542 0.2303 0.619 2.9896 0.3542 0.2303 0.099 0.3542 0.2303 0.099 0.0354 0.2303 0.099 0.0135 0.	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jace Cooling H (MWh) 0 0.0005 0.0029 0.0089 0.0444 0.087 0.1388 0.0005 0.4623 0.4623 0.4623 0.4623 0.4623 0.4623 0.0001 0.0001 0.0001 0.0001 0.0002 0.0001 0.0012 0.0012 0.0015 0.0155 0.1471 0.1311 0.1311 0.0029	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0056 0.0028 0.0074 0.0001 0.0029 0 0.0295 0.0295 0.0029 0 0.0295 0.0004 0.0001 0.0001 0.0005 0.0004 0.0001 0.0005	terior Central Fans In (MWh) 0.3378 0.3378 0.3365 0.3378 0.3365 0.3378 0.3365 0.3378 0	terior Local Fans B (MWN) 0.0395 0.0395 0.0278 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0215 0.0228 0.0328 0.0328 0.0328 0.0301 0.2924 terior Local Fans 0.0303 0.0224 0.0303 0.0224 0.0303 0.0244 0.0303 0.0244 0.0303 0.0244 0.0303 0.0246 0.0303 0.0252 0.03120000000000000000000000	xhaust Fans Pumps ((MWh) (NWh) 0	10.5764 92 114.9609 kWh/m ¹ .yr	Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jun 01-30 Uni 01-31 Aug 01-31 Aug 01-31 Total Date Jan 01-31 Total Date Jan 01-31 Total Date Jan 01-31 Jun 01-30 Uni 01-31 Jun 01-30 May 01-31 Jun 01-30 Oc 01-31 Jun 01-30 Oc 01-31 Jun 01-31 Jun 01-30 Oc 01-31 Jun 01-31 Ju	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	ApHVAC heating coils1aad (MWh) 0 0.3137 0 0.3352 0 0.2499 0 0.066 0 0.0034 0 0.005 0 0.0225 0 0.3799 0 0.2656 0 3.8548 9 3.8548 9 41.9 kWh/m ² ,yr kWh/m ² ,yr 10 0.5214 0 0.5214	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finissions (kg/MWh) (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.98729383 0.98729383 10.7314547 kg/CO₃/m2.yr Finissions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Aug 01-31 Jul 01-31 Jul 01-31 Aug 01-31 Nov 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Aug 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Jun 01-30 Jul 01-31 Aug	Interior Lighting O (MW/h) 0.0898 0.0818 0.09512 0.0881 0.0952 0.0881 0.0954 0.0881 0.0881 0.0881 0.0881 0.0892 1.0669 WR - Enclosed Balcon (MW/h) 0.0881 0.0898 0.0881 0.0894 0.0881 0.0984 0.0881 0.0984	ther Process (MWh) 0.0719 0.0719 0.0659 0.0721 0.0699 0.0721 0.0699 0.0721 0.0699 0.0723 0.8492 V ther Process (MWh) 0.0723 0.0651 0.0723 0.0659 0.0772 0.0651 0.0723 0.0721 0.0699 0.0771 0.0659 0.0771 0.0721 0.0721 0.0699 0.0771 0.0721 0.0721 0.0699 0.0771 0.07210 0.07210 0.07210 0.07210000000000000000000000000000000000	Space Heating (MWh) 0.9363 0.7499 0.2568 0.0674 0.02568 0.001 0.0229 0.1915 0.3888 0.7838 3.951 Space Heating (MWh) 0.5897 0.5397 0.5397 0.5397 0.5397 0.5397 0.5397 0.5497 0.55977 0.55977 0.55977 0.55977 0.55977 0.55977 0.559770 0.559770000	Space Heating Natural Gas (MWh) 0.226 0.1854 0.168 0.0692 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0399 0.8889 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854 0.0692 0.226 0.1858 0.0692 0.1648 0.0018 0.0018 0.0018 0.0018 0.0018 0.0018 0.0018 0.0018 0.0001 0.0011 0.0011 0.0011 0.0018 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.00080 0.000800000000	Space Heating Electricity (MWh) 0.7103 0.5602 0.04051 0.04051 0.04051 0.04051 0.0405 0.0405 0.0405 0.0405 0.0516 0.3542 0.00100000000	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date Cooling H (MWh) 0 0.0029 0.0029 0.0029 0.0044 0.007 0.1166 0.0492 0.0138 0.0006 0 0.4623 0 0.4623 0 0.4623 0 0.4623 0.4623 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0002 0.0001 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0005 0.0001 0.0005 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0015 0.0017 0.0013 0.0012 0.0015 0.0017 0.0017 0.0012 0.0012 0.0015 0.0017 0.0017 0.00120000000000	eat Rejection Ir (MWh) 0 0,0002 0,0005 0,0028 0,0028 0,0024 0,0031 0,009 0 0,0295 0 0,0295 0 0,0295 0 0,0295 0 0,0295 0 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0005 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0001 0,0005 0	terior Central Fans In (MWh) 0.0378 0.0378 0.0378 0.0376 0.0378 0.0376 0.0378	terior Local Fans E (MWh) 0.03954 0.03954 0.03978 0.0156 0.0175 0.0246 0.0212 0.0125 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0301 0.0224 0.0303 0.0244 0.0144 0.0196 0.0224 0.0144 0.0196 0.0224 0.0125 0.0244 0.0196 0.0244 0.0196 0.0244 0.0196 0.0244 0.0196 0.0242 0.0248 0.0248 0.0248 0.0248 0.0248 0.0248 0.0248 0.0248 0.0258 0.0244 0.0258 0	Schaust Fans Pumps (MWh) 0 0 0 0 0	10.5764 92 114.9609 kWh/m [*] .yr	Date Jan 01-31 Feb 01-28 Mar 01-38 Mar 01-31 Jun 01-30 May 01-31 Jun 01-31 Aug 01-31 Nov 01-30 Date Jan 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 May 01-31 Jun 01-30 Jul 01-31 Jun 01-30 Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Date Jun 01-30 Jul 01-31 Jun 01-30 Date Jun 01-31 Date Jun 01-30 Date Jun 01-31 Date Jun 01-30 Date Jun 01-30	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	 ApHVAC heating coils load (MWh) 0 0.3137 0 0.3137 0 0.3352 0 0.23499 0 0.066 0 0.0034 0 0 0 0 0.0225 0 0.1875 0 0.3799 0 0.7656 0 3.8548 92 92 41.9 KWh/m³.yr ApHVAC heating coils load (MWh) 0 0.6673 0 0.5211 0 0.5211 0 0.5214 0 0.0324 0 0.0004 0 0.0004 0 0.0004 	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finissions (kg/MWh) (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.38729383 0.18085714 (kg/MWh) 5 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Sep 01-30 Oct 01-31 Total West - 40% M Date Jan 01-31 Feb 01-38 Mar 01-31 Jun 01-30 Jul 01-31 Jun 01-30 Jul 01-31 Sep 01-30 Oct 01-31 Sep 01-30 Det 01-31 Sep 01-30 Jul 01-31 Sep 01-30 Det 01-31 Sep 01-30 Det 01-31 Sep 01-30 Det 01-31 Sep 01-30 Det 01-31 Sep 01-30 Det 01-31 Sep 01-30	Interior Lighting O (MW/h) 0.0898 0.0818 0.0912 0.0881 0.0904 0.0881 0.0904 0.0881 0.0912 1.0669 WR - Enclosed Balcon Interior Lighting O (MW/h) 0.0818 0.0912 0.0818 0.0912 0.0818 0.0912 0.0881 0.0914 0.0881 0.0954 0.0954 0.0881 0.0954 0.0956 0.0956 0.0956 0.0956 0.0956 0.0956 0.00	ther Process (MWN) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0699 0.0721 0.0699 0.0723 0.8492 w ther Process (MWN) 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0651 0.0719 0.0659 0.0711 0.0651 0.0719 0.0651 0.0719 0.0659 0.0719 0.0651 0.0719 0.0659 0.0719 0.0651 0.0719 0.0659 0.0719 0.0659 0.0719 0.0659 0.0711 0.0659 0.0711 0.0659 0.0711 0.0659 0.0711 0.0659 0.0711 0.0651 0.0711 0.0651 0.0711 0.0651 0.0711 0.0659 0.0711 0.0651 0.0711 0.0659 0.0711 0.0651 0.0711 0.0659 0.0711 0.0711 0.0659 0.07110 0.07110 0.07110 0.07110 0.07110 0.07110 0.07110 0.07110000000000	Space Heating (MWN) 0.9363 0.7497 0.2549 0.0678 0.0001 0.0229 0.1012 0.3888 0.7838 0.7838 3.951 Space Heating (MWN) 0.6899 0.3797 0.3771 0.1602 0.0318 0.0318 0.0318 0.001 0.0000 0.00100000000	Space Heating Natural Gas (MWh) 0.226 0.4854 0.4680 0 0001 0.0001 0.0001 0.0001 0.0399 0.8889 0.8889 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854 0.1854 0.1854 0.1854 0.1854 0.1854 0.1854 0.1854 0.1854 0.000100000000	Space Heating Electricity (MWh) 0.7103 0.7642 0.4031 0.0495 0.0027 0 0 0.0188 0.3542 0.35440000000000000000000000000000000000	Service Water Heating S Natural Gas (MWh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	bace Cooling H (MWh) 0 0.0005 0.0029 0.0444 0.033 0.1166 0.0492 0.1383 0.0006 0 0.4623 0 0.4623 0 0.4623 0 0.4623 0 0.4623 0 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0001 0.0001 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.4623 0.0005 0.00555 0.0055 0.0055 0.0055 0.00555 0.00555	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0028 0.0028 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0029 0.0004 0.0001 0.0004 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.0366 0.0378 0.4452 terior Central Fans Ini (MWh) 0.0378 0.0341 0.0378 0.0341 0.0378 0.0346 0.0378 0.0378 0.0356 0.0378 0.0378 0.0356 0.03780000000000000000000000000000000000	terior Local Fans B (MWh) 0.0395 0.0395 0.0278 0.0156 0.0175 0.0246 0.0212 0.0125 0.0258 0.0358 0.0358 0.0361 0.2324 (MWh) 0.0303 0.0244 0.0303 0.0244 0.0132 0.0132 0.0132	Schaust Fans Pumps (MWh) 0 0 0 0 0	10.5764 92 114.9609 kWh/m ² .yr 9.4119 92	Date Jan 01-31 Feb 01-28 Mar 01-31 Aap 01-30 May 01-31 Jau 01-30 Oct 01-31 Nov 01-30 Date Jan 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Aap 01-30 May 01-31 Jau 01-31 Sep 01-30 May 01-31 Jau 01-31 Sep 01-30 Oct 01-31 Sep 01-30 Oct 01-31 Sep 01-30 Oct 01-31 Sep 01-30 Oct 01-31 Nov 01-30 Date	ApHVAC room unit heating load (MWh) Area ApHVAC room unit heating load (MWh)	ApHVAC heating cois load (MWh) 0 0.9137 0 0.7311 0 0.7312 0 0.2352 0 0.2499 0 0.066 0 0.0025 0 0.1875 0 0.1875 0 0.1875 0 0.7656 0 3.8548 92 41.9 WWh/m ² .yr ApHVAC heating cois load (MWh) 0 0.6673 0 0.5211 0 0.3624 0 0.3239 0 0.025 1 0.3531 0 0.3624 0 0.3531 0 0.0084 0 0.111 0 0.2483 0 0.5501 0 2.4551 0 2.5551 0 2.5555 0 2.5555 0 2.5555 0 2.5555 0 2.5555 0 2.5555	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.970 4.4413	 Finissions (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.18025714 0.18025714 0.18025714 0.18025714 (kg/MWh) 0.18085714 0.18085714 Emissions (kg) 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Aug 01-31 Jun 01-30 Oct 01-31 Nov 01-30 Dec 01-31 Total Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 May 01-31 Jun 01-30 Jul 01-31 Apr 01-30 May 01-31 Jun 01-30 Jul 01-31 Aug 01-31 Nov 01-30 Dec 01-31 Total	Interior Lighting O (MWh) 0.0898 0.0818 0.0818 0.0858 0.0858 0.0851 0.0904 0.0851 0.0912 1.0669 WR - Enclosed Balcon (WWh) 0.0881 0.0812 0.0881 0.088	<pre>ther Process (MWh) 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0723 0.8492 ther Process (MWh) 0.0723 0.8492 ther Process 0.0719 0.0651 0.0723 0.0719 0.0651 0.0723 0.0699 0.0721 0.0721 0.0721 0.0699 0.0723 0.8492</pre>	Space Heating (MWh) 0.9363 0.7499 0.2568 0.0678 0.0229 0.1915 0.3888 0.7338 0.7338 0.7338 0.7338 0.7338 0.7338 0.7338 0.7338 0.5397 0.5397 0.5397 0.66899 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6990 0.5397 0.6090 0.5397 0.6090 0.5397 0.6090 0.6000 0.0001 0.6000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	Space Heating Natural Gas (MWP) 0.226 0.1854 0.0692 0.083 0.0001 0.0001 0.0001 0.0011 0.0399 0.0899 0.1818 0.3613 0.3613 0.3613 0.226 0.1854 0.622 0.1854 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	Space Heating Electricity (MWh) 0.7103 0.5642 0.04051 0.0405 0.0405 0.0405 0.0516 0.350 0.0516 0.350 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3546 0.3633 0.0047 0.0741 0.0457 0.0457 0.0457 0.0457 0.053 0.055 0.0537 0.055 0.05570 0.05570000000000	Service Water Heating S Natural Gas (MWH) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jace Cooling H (MWh) 0 0.0005 0.0029 0.0043 0.0443 0.0443 0.0462 0.0138 0.0006 0.04623 0.04623 0.04623 0.04623 0.04623 0.04623 0.0001 0.04623 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0002 0.0001 0.0155 0.1471 0.1311 0.0639 0.0179 0.0222 0 0.05434	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0058 0.0088 0.0001 0.0029 0 0.0295 0 0.0295 0 0.0295 0 0.0295 0 0.0295 0 0.0295 0 0.0011 0.0001 0.0001 0.0001 0.0001 0.0005 0.0001 0.0005 0.0001 0.0005 0.0001 0.0001 0.0005 0.0001 0.0001 0.0001 0.0001 0.0005 0.0005 0.0005 0.0007 0.0005 0.00001 0.00001 0.0005 0.0	terior Central Fans In (MWh) 0.0378 0.0378 0.0378 0.0376 0.0376 0.0376 0.0378 0.0376 0.0378 0	terior Local Fans 5 (MWh) 0.0395 0.0334 0.019 0.015 0.015 0.015 0.015 0.015 0.015 0.015 0.0125 0.0125 0.0125 0.0125 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0258 0.0252 0.0252 0.0252 0.0252 0.0252 0.0252 0.0258 0.0244 0.0190 0.0100 0.0100 0.0100 0.0100 0.0100 0.0100 0.0100 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0195 0.0244 0.0258 0.0244 0.02588 0.02588 0.02588 0.02588 0.02588 0.0258	Schaust Fans Pumps 0 0 0	10.5764 92 114.9603 kWh/m ² .yr 9.4119 9.2023	Date Jan 01-31 Feb 01-28 Mr 01-30 Mr 01-30 Mr 01-30 Jan 01-30 Cr 01-31 Nr 01-30 Cr 01-31 Total Date Jan 01-31 Total Date Jan 01-31 Total Date Jan 01-31 Jun 01-30 Mr 01-31 Jun 01-30 Jun 01-30 Jun 01-31 Jun 01-30 Date Jan 01-31 Jun 01-30 Date Jan 01-31 Jun 01-30 Date Jan 01-31 Jun 01-30 Date Jan 01-31 Jun 01-30 Date Jan 01-31 Jun 01-30 Date Jan 01-31 Jun 01-30 Date Jun 01-31 Jun 01-30 Date Jun 01-31 Jun 01-30 Date Jun 01-31 Jun 01-30 Date Jun 01-30 Date Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-30 Jun 01-31 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-30 Jun 01-30 Jun 01-30 Jun 01-30 Jun 01-30 Jun 0	ApHVAC room unit heating load (MWh) Area ApHVAC room units heating load (MWh)	ApHVAC heating coils1oad (MWh) 0 0.3137 0 0.3137 0 0.3352 0 0.0469 0 0.066 0 0.0034 0 0.003 0 0.0255 0 0.3759 0 0.7569 0 0.3759 0 0.7569 0 3.8548 92 92 92 92 92 82 Wh/m ³ , yr ApHVAC heating coils1oad (MWh) 0 0.6673 0 0.5211 0 0.3624 0 0.3531 0 0.032 0 0.003 0 0.003 0 0.003 0 0.0034 0 0.0034 0 0.0034 0 0.0034 0 0.25516 0 2.82173913	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 Area GHGI Suite Energy (MWh) 4.9706 4.4413	 Finissions (kg/MWh) (kg/MWh) (kg/MWh) 0.03 0.18085714 0.18085714 0.18085714 0.98729383 0.98729383 0.98729383 10.7314547 kgCo₂/m2.yr r r missions (kg/MWh) 0.03 0.18085714
Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jun 01-30 Jun 01-30 Jun 01-31 Sep 01-30 Oct 01-31 Total West - 40% W Date Jan 01-31 Feb 01-28 Mar 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Oct 01-31 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Jun 01-31 Jun 01-30 Oct 01-31 Total	Interior Lighting O (MW/h) 0.0898 0.0818 0.09512 0.0881 0.09512 0.0881 0.0952 0.0881 0.0952 0.0881 0.0952 1.0659 WR - Enclosed Balcon (MW/h) 0.0888 0.0898 0.0888 0.0898 0.0898 0.0898 0.0898 0.0898 0.0898 0.0898 0.0898 0.0898 0.0898 0.0891 0.0898 0.0891 0.0898 0.0891 0.0991 0.0891 0.0991 0.0891 0.0991 0	ther Process (MWh) 0.0719 0.0719 0.0699 0.0713 0.0699 0.0721 0.0699 0.0721 0.0699 0.0721 0.0699 0.0723 0.8492 W ther Process (MWh) 0.0719 0.0651 0.0719 0.0651 0.0723 0.0723 0.0723 0.0723	Space Heating (MWh) 0.363 0.7497 0.2668 0.0678 0.001 0.0229 0.1915 0.3888 0.7838 3.951 Space Heating (MWh) 0.6899 0.5397 0.3771 0.6699 0.5397 0.3771 0.1602 0.0318 0.0038 0.00318 0.0038 0.00318 0.0038 0.00318 0.0038 0.00318 0.0038 0.00318 0.0038 0.00318 0.00318 0.0038 0.00318 0.	Space Heating Natural Gas (MWh) 0.226 0.1854 0.1854 0.0692 0.0008 0 0.0001 0.0001 0.0001 0.0001 0.0001 0.0339 0.0889 0.1818 0.9613 Space Heating Natural Gas (MWh) 0.226 0.1854 0.022 0.1854 0.0468 0.0041 0.00400000000	Space Heating Electricity (MWh) 0.7103 0.5602 0.04051 0.1876 0.04051 0.04051 0.04051 0.04051 0.04051 0.04051 0.04051 0.05151 0.3542 0.3542 0.3542 0.3542 0.3542 0.3542 0.3543 0.0135 0.0017 0.0045 0.0057 0.0	Service Water Heating S 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date Cooling H (MWh) 0 0.0005 0.0029 0.0029 0.0044 0.007 0.1166 0.0492 0.1166 0.0492 0.012 0.0056 0 0.4623 0 0.0012 0.0012 0.0012 0.0051 0 0.0012 0.0133 0.0012 0.0133 0.0133 0.0139 0.0133 0.0139 0.0133 0.0139 0.0133 0.0139 0.0134 0.0022 0.0134 0.0133 0.0139 0.0134 0.0022 0.0134 0.0134 0.0022 0.0134 0.0134 0.0134 0.0022 0.0134 0.0134 0.0022 0.0134 0.0022 0.0134 0.0032 0.0139 0.0149 0.0149 0.0149 0.0149 0.0149 0.0149 0.0149 0.0149 0.0149	eat Rejection Ir (MWh) 0 0.0002 0.0005 0.0028 0.0058 0.0054 0.0051 0.0025 0 0.0255 0.0025 0 0.0255 0.0001 0.0205 0.000100000000	terior Central Fans In (MWh) 0.0378 0.0378 0.0378 0.0376 0.0378 0.0376 0.0378	terior Local Fans E (MWh) 0.0395 0.0395 0.0395 0.0278 0.0278 0.0156 0.0175 0.0246 0.0125 0.0258 0.0356 0.0258 0.0361 0.2924 tterior Local Fans E (MWh) 0.0303 0.0244 0.0144 0.0196 0.0224 0.0144 0.0196 0.0224 0.0156 0.0224 0.0248 0.0248	Schaust Fans Pumps (MWh) 0 0 0 0 0	10.5764 92 114.9609 kWh/m ¹ .yr 9.4119 2.033 kWh/m ¹ .yr	Date Jan 01-31 Fe D1-28 Mar 01-31 Apr 01-30 May 01-31 Jul 01-31 Aug 01-31 Nov01-30 Date Jan 01-30 De 01-31 Total Date Jan 01-31 Fe D1-28 Mar 01-31 Jul 01-31 Apr 01-30 May 01-31 Jul 01-31 Jul 01-31 Jul 01-31 Jul 01-31 Jul 01-31 Jul 01-31 Jul 01-31 Jul 01-32 Jul 01-31 Jul 01-31 Jul 01-31 Jul 01-31 Jul 01-30 Date Jul 01-31 Jul 01-30 Date Jul 01-31 Jul 01-31	ApHVAC room unit heating load (MWh) Area TEDI ApHVAC room unit heating load (MWh)	ApHVAC heating coilsicad (MWh) 0 0.9137 0 0.7312 0 0.2349 0 0.066 0 0.0034 0 0 0 0 0.0225 0 0.1875 0 0.3799 0 0.7656 0 3.8548 92 92 41.9 WVh/m ² yr ApHVAC heating coilsicad (MWh) 0 0.6673 0 0.5211 0 0.5211 0 0.5211 0 0.5212 0 0.0329 0 0.0250 0 0.0251 0 0.5211 0 0.521	Electricity Natural Gas Electricity Natural Gas	Suite Energy (MWh) 6.1351 4.4413 4.4413 Suite Energy (MWh) 4.9706 4.4413 4.9706 4.4413	 Finissions (kg/MWh) (kg/MWh) (kg/MWh) 0.03 0.18085714 Emissions (kg) 0.98729383 92 10.7314547 kg CO₂/m2.yr Emissions (kg/MWh) 5 0.03 0.18085714 Emissions (kg) 0.95235883 92 10.3517264 kg CO₂/m2.yr

80% WWR – North & East

North - 80% WWR - Open Balcony

																		Suite Energy	Emissions			
	Interior Lighting C	Other Process S	pace Heating	Space Heating	Space Heating S	ervice Water Heating Sp	pace Cooling H	leat Rejection Inte	rior Central Fans Int	erior Local Fans	Exhaust Fans Pump	s		ApHVAC room uni	its ApH\	VAC heating		(MWh)	(kg/MWh)			
Date	(MWh)	(MWh)	(MWh)	Natural Gas (MWh) E	lectricity (MWh)	Natural Gas (MWh)	(MWh)	(MWh)	(MWh)	(MWh)	(MWh) (MWh)	Date	heating load (MW	/h) coils	load (MWh)	Electricity	6.8575	0.03			
an 01-31	0.0898	0.0719	1.0831	0.226	0.8571	0			0.0378	0.0469	0	, 0	lan 01-31		0	1.0605	Natural Gas	4,4413	0.18085714			
eb 01-28	0.0000	0.0651	0.8776	0.1854	0.6922	0	0.0001	ñ	0.0341	0.0403	ñ	0	Feb 01-29		õ	0.8591						
Apr 01-20	0.0010	0.0722	0.6608	0.1469	0.0522	0	0.0001	0	0.0341	0.0403	0	0	Mar 01-21		0	0.6461						
nai 01-51	0.0912	0.0600	0.0000	0.1400	0.314	0	0.0005	0.0004	0.0376	0.0304	0	0	Apr 01 20		0	0.0401						
4001.31	0.0001	0.0055	0.2552	0.0052	0.0621	0	0.000	0.0004	0.0300	0.024	0	0	Apr 01-30		0	0.2313						
1 ay 01-51	0.0898	0.0719	0.0014	0.0105	0.0031	0	0.0418	0.0027	0.0376	0.0103	0	0	lup 01 20		0	0.0750						
ul 01 21	0.0006	0.0055	0.0034	0.0008	0.0040	0	0.0829	0.0035	0.0300	0.0183	0	0	Jul 01 21		0	0.0033						
0101-31	0.0906	0.0721	0	0	0	0	0.1339	0.0085	0.0378	0.0247	0	0	JUI 01-31		0	0						
Nug 01-31	0.0904	0.0721	0.0011	0.0001	0.001	0	0.1059	0.0068	0.0378	0.0208	0	0	Aug 01-31		0	0.0011						
ep 01-30	0.0881	0.0699	0.0344	0.0041	0.0303	0	0.0451	0.0029	0.0366	0.0155	0	0	Sep 01-30		0	0.034						
Oct 01-31	0.0898	0.0719	0.2283	0.0399	0.1884	0	0.0107	0.0007	0.0378	0.0247	0	0	Oct 01-31		0	0.2243						
lov 01-30	0.0881	0.0699	0.4715	0.0889	0.3826	0	0.0002	0	0.0366	0.034	0	0	Nov 01-30		0	0.4626						
Dec 01-31	0.0912	0.0723	0.9152	0.1818	0.7333	0	0	0	0.0378	0.0433	0	0	Dec 01-31		0	0.897			Emissions (kg)	PERFORMANCE SI	ΙΜΜΔRΥ	
otal	1.0669	0.8492	4.6569	0.9613	3.6956	3.48	0.4273	0.0273	0.4452	0.346	0	0 11.2988	Total		0	4.5608			1.00896583	T EIG ORTHATCE SC		
											Area	92		Area		92		Area	92			
											TEUI	122.813		TEDI	49	9.57391304		GHGI	10.9670199			
												kWh/m².yr			kWh,	/m².yr			kg CO _{2e} /m2.yr	South - 80% WWR	Open Balconv	Enclos
orth - 80% \	WWR - Enclosed Balco	onv																		TEUI (kWh/m2.yr)	117.3	
																					44 7	
																		Suite Energy	Emissions	IEDI (KVVN/m2.yr)	41.7	
	Interior Lighting C	Other Process S	nace Heating	Snace Heating	Snace Heating S	ervice Water Heating Sr	nace Cooling H	leat Rejection Inte	rior Central Fans Int	erior Local Fans	Exhaust Fans Pump	c .		AnHVAC room uni	its AnH	VAC heating		(MWh)	(kg/MWh)		10.9	
ate	(MWh)	(MW/h)	(MWh)	Natural Gas (MWh) F	lectricity (MWh)	Natural Gas (MW/h)	(MWh)	(MWh)	(MWh)	(MWh)	(MWh) (MWh)	Date	heating load (MW	(h) coils	load (MWh)	Flectricity	5 4786	0.03		10.8	
an 01-31	0.0898	0.0719	0.8163	0 226	0 5903	0	0	0	0.0378	0.0331	0	, 0	lan 01-31	incuting roud (inte	0	0 7937	Natural Gas	4 4413	0 18085714			
ob 01 32	0.0010	0.0715	0.6541	0.1954	0.4696	0	0.0001	0	0.0341	0.0393	0	0	Ech 01 39		0	0.6355	Hatara Gas	4.4425	0.10003714			
4 01 21	0.0010	0.0031	0.0341	0.1654	0.4080	0	0.0001	0	0.0341	0.0285	0	0	Feb 01-28		0	0.0555						
viar 01-31	0.0912	0.0723	0.479	0.1468	0.3322	0	0.0006	0 0004	0.0378	0.0246	0	0	Iviar 01-31		0	0.4643						
4	0.0881	0.0699	0.1997	0.0692	0.1305	0	0.0062	0.0004	0.0366	0.0145	U	0	Apr U1-30		0	0.1927				West - 80% WWR	Open Balcony	Fncl
viay 01-31	0.0898	0.0719	0.0381	0.0183	0.0198	0	0.0426	0.0027	0.0378	0.0112	U		May 01-31		U	0.0363					Spen Bareony	2
un 01-30	0.0881	0.0699	0.0012	0.0008	0.0004	0	0.0905	0.0058	0.0366	0.0171	0	0	Jun 01-30		0	0.0011				TEUI (kWh/m2.vr)	123.7	
ul 01-31	0.0906	0.0721	0	0	0	0	0.1365	0.0087	0.0378	0.0224	0	0	Jul 01-31		0	0						
Aug 01-31	0.0904	0.0721	0.0001	0.0001	0	0	0.1089	0.0069	0.0378	0.0192	0	0	Aug 01-31		0	0				TEDI (kWh/m2.yr)	46.4	
iep 01-30	0.0881	0.0699	0.0141	0.0041	0.01	0	0.0459	0.0029	0.0366	0.0108	0	0	Sep 01-30		0	0.0137						
Oct 01-31	0.0898	0.0719	0.1467	0.0399	0.1068	0	0.0099	0.0006	0.0378	0.0157	0	0	Oct 01-31		0	0.1427				GHGI (kg CO _{2e} /m2.yr)	11.0	
Nov 01-30	0.0881	0.0699	0.3294	0.0889	0.2405	0	0.0004	0	0.0366	0.0235	0	0	Nov 01-30		0	0.3205						
Dec 01-31	0.0912	0.0723	0.6795	0.1818	0.4977	0	0	0	0.0378	0.0304	0	0	Dec 01-31		0	0.6613			Emissions (kg)			
otal	1.0669	0.8492	3.3581	0.9613	2.3968	3.48	0.4415	0.0282	0.4452	0.2508	0	0 9.9199	Total		0	3.262			0.96759883			
											Area	92		Area		92		Area	92			
											TEUI	107.825		TEDI	35	5.45652174		GHGI	10.5173786	North - 80% W/W/R	Onen Balcony	Encl
												kWh/m ² .yr			kWh,	/m².yr			kg CO ₂₀ /m2.vr	NUTLIT - OU /6 VV VV K	Open balcony	LIICI
ast- 80% WV	/R-Open Balcony																		0 10 /	TELII (kWh/m2 vr)	122.8	
																					122.0	
																		Suito Enormy	Emissions	TEDI (kWh/m2.vr)	49.6	
	Interior Linkting C	0+h D		Constitution	Casas Hasting C				alas Cantas I Fana Jak	anian I anal Franci	Colorent France Duran	-		A = 111/AC == = ==				Suite Energy	Emissions (I.e. (Mark)			
	interior Lighting C	Uner Process S	pace Heating	Space Heating	space neating is	ervice water Heating Sp	pace cooling H	leat Rejection Inte	rior central Fans Int	erior Local Fans	Exhaust Fans Pump	5		Aprivac room uni	ITS APHY	VAC neating		(IVIVVII)	(Kg/IVIVVII)	GHGI (kg CO ₂₂ /m2.vr)	11.0	
Date	(MWn)	(MWn)	(MWn)	Natural Gas (MWh) E	lectricity (MWh)	Natural Gas (MWh)	(IVIWn)	(IVIWn)	(MWn)	(MWN)	(MWN) (MWN)	Date	neating load (MW	n) coils	load (MWn)	Electricity	6.8836	0.03	- (0-26 //		
an 01-31	0.0898	0.0719	1.0404	0.226	0.8145	0	0	0	0.0378	0.0556	0	0	Jan 01-31		0	1.0179	Natural Gas	4.4413	0.18085714			
eb 01-28	0.0818	0.0651	0.8156	0.1854	0.6302	0	0.0009	0.0001	0.0341	0.0483	0	0	Feb 01-28		0	0.7971						
vlar 01-31	0.0912	0.0723	0.5865	0.1468	0.4397	0	0.008	0.0005	0.0378	0.0424	0	0	Mar 01-31		0	0.5718						
Apr 01-30	0.0881	0.0699	0.256	0.0692	0.1868	0	0.0316	0.002	0.0366	0.0313	0	0	Apr 01-30		0	0.249						
vlay 01-31	0.0898	0.0719	0.0631	0.0183	0.0447	0	0.0795	0.0051	0.0378	0.0254	0	0	May 01-31		0	0.0612				East - 80% WWR	Open Balcony	Enclo
un 01-30	0.0881	0.0699	0.0042	0.0008	0.0035	0	0.118	0.0075	0.0366	0.0262	0	0	Jun 01-30		0	0.0042						
ul 01-31	0.0906	0.0721	0	0	0	0	0.1763	0.0113	0.0378	0.0326	0	0	Jul 01-31		0	0				TEUI (kWh/m2.yr)	123.1	
Aug 01-31	0.0904	0.0721	0.0006	0.0001	0.0005	0	0.1518	0.0097	0.0378	0.0298	0	0	Aug 01-31		0	0.0006					45.0	
ep 01-30	0.0881	0.0699	0.0261	0.0041	0.022	0	0.0815	0.0052	0.0366	0.0233	0	0	Sep 01-30		0	0.0257				IEDI (KVVN/m2.yr)	45.9	
Oct 01-31	0.0898	0.0719	0.2026	0.0399	0.1627	0	0.0276	0.0018	0.0378	0.0323	0	0	Oct 01-31		0	0.1986					11.0	
Nov 01-30	0.0881	0.0699	0.4344	0.0889	0.3456	0	0.0009	0.0001	0.0366	0.0421	0	0	Nov 01-30		0	0.4255					11.0	
Dec 01-31	0.0912	0.0723	0.8935	0.1818	0.7116	0	0	0	0.0378	0.052	0	0	Dec 01-31		0	0.8753			Emissions (kg)			
otal	1.0669	0.9492	4 2 2 2 1	0.9612	2 2617	2 / 9	0.6761	0.0422	0.4452	0 4412	0	0 11 22/0	Total		0	4 2269			1 00074992			
	1.0009	0.0452	4.5251	0.5015	5.501/	5.40	0.0701	0.0452	0.4402	0.4410	Δrea	92		Area		92		Area	92			
											TEL	123 0967		TEDI		5 94456522		GHGI	10 9755307			
											IEUI	123.0907			43 L\A/b	/m ² //		Ghūi	10.9733307	Average - 80% W/W/R	Open Balcony	Encl
												Kvv1/111.yi			KVVII,	/111 .yi			kg CO _{2e} /m2.yr		open barcony	Linei
																				TEUI (kWh/m2.vr)	121.7	7
ast-80% WV	/R-Enclosed Balcony	¥																				-
																				TEDI (kWh/m2.yr)	45.9	J
																		Suite Energy	Emissions			•
	Interior Lighting C	Other Process S	pace Heating	Space Heating	Space Heating S	ervice Water Heating Sp	pace Cooling H	leat Rejection Inte	rior Central Fans Int	erior Local Fans	Exhaust Fans Pump	s		ApHVAC room uni	its ApH\	VAC heating		(MWh)	(kg/MWh)	GHGI (kg CO _{2e} /m2.yr)	10.9	J
Date	(MWh)	(MWh)	(MWh)	Natural Gas (MWh) E	lectricity (MWh)	Natural Gas (MWh)	(MWh)	(MWh)	(MWh)	(MWh)	(MWh) (MWh)	Date	heating load (MW	/h) coils	load (MWh)	Electricity	5.5252	0.03			
an 01-31	0.0898	0.0719	0.7698	0.226	0.5439	0	0.0001	0	0.0378	0.0437	0	0	Jan 01-31		0	0.7472	Natural Gas	4.4413	0.18085714			
eb 01-28	0.0818	0.0651	0.5909	0.1854	0.4055	0	0.0012	0.0001	0.0341	0.0371	0	0	Feb 01-28		0	0.5724						
Var 01-31	0.0912	0.0723	0.4088	0.1468	0.262	0	0.0105	0.0007	0.0378	0.0311	0	0	Mar 01-31		0	0.3941						
Apr 01-30	0.0881	0.0699	0.1704	0.0692	0.1012	0	0.0368	0.0024	0.0366	0.0232	0	0	Apr 01-30		0	0.1635				Toronto Groon Standa	d Varsian 4 Tiar 1	Targata
May 01-31	0.0898	0.0719	0.0342	0.0183	0.0159	0	0.0789	0.005	0.0378	0.0211	0	0	May 01-31		0	0.0324				Toronto Green Standa	u version 4 ner 1	rargets
un 01-30	0.0881	0.0699	0.0012	0.0008	0.0004	0	0.1171	0.0075	0.0366	0.0237	0	0	lun 01-30		0	0.0011				TFUU $(kWh/m2 vr)$	120	5
ul 01-21	0.0001	0.0721	0.0012	0.0008	0.0004	0	0 1726	0.0075	0.0370	0.0207	0	-	Jul 01-21		0	0.0011					15:	
ur 01-51	0.0906	0.0721	0 0001	0 0001	0	0	0.1720	0.0011	0.0378	0.0509	0	0	Jui 01-31		0	0				TFDI (kWh/m2 vr)	50	ა
ug 01-31	0.0904	0.0721	0.0001	0.0001	0 0000	0	0.1497	0.0096	0.0378	0.0282	0	0	Aug 01-31		0	0.0105				(KVV)/112.91)	50	
ep 01-30	0.0881	0.0699	0.0109	0.0041	0.0068	0	0.0806	0.0051	0.0366	0.0198	U	0	Sep 01-30		0	0.0105				GHGI (kg CO ₂₂ /m2.vr)	19	5
JCI 01-31	0.0898	0.0719	0.126	0.0399	0.0861	0	0.027	0.0017	0.0378	0.0208	U		Oct 01-31		U	0.122						-
vov 01-30	0.0881	0.0699	0.2907	0.0889	0.2019	0	0.0018	0.0001	0.0366	0.0303	0	U -	Nov 01-30		0	0.2818						
vec 01-31	0.0912	0.0723	0.6514	0.1818	0.4695	0	0	0	0.0378	0.0414	0	U	Dec 01-31		0	0.6332			Emissions (kg)			
otal	1.0669	0.8492	3.0544	0.9613	2.0931	3.48	0.6763	0.0432	0.4452	0.3513	0	u 9.9665	Total		0	2.9583			U.96899683			
											Area	92		Area		92		Area	92			
											TEUI	108.3315		TEDI	32	2.15543478		GHGI	10.5325742			
												kWh/m².yr			kWh,	/m².yr			kg CO _{2e} /m2.yr			

Enclosed Balcony Savings

107.9

32.4

10.5

10%

30%

3%

11%

29%

4%

12%

28%

4%

12%

30%

4%

11%

29%

4%

105.8

29.2

10.5

109.6

32.7

10.6

107.8

35.5

10.5

108.3

32.2

10.5

Appendix B Sources of Additional Information

Toughened glass	6mm	8mm	10mm	12mm	Grey 6mm	Grey 8mm
Glass properties	EN 410					
Light transmission -Tv (%)	88	87	87	85	44	35
Light reflection out ρν (%)	8	8	8	8	5	5
Light reflection in ρvi (%)	8	8	8	8	5	5
Colour rendering index RD65 - Ra (%)	98	97	97	96	96	95
Energy properties	EN 410					
Solar factor -g (%)	82	80	77	74	66	57
Energy reflection pe (%)	7	7	7	7	5	5
Direct energy transmission Te (%)	79	76	73	68	45	36
Energy absorption αe (%)	14	17	20	25	50	59
Shading coefficient - SC	0,94	0,92	0,89	0,85	0,66	0,57
UV transmission - UV %	57	52	49	46	18	12
Selectivity	1,08	1,09	1,12	1,15	0,78	0,69
Thermal properities	EN 673					
U-coeff. W/(m²K)	5,7	5,6	5,6	5,5	5,7	5,6
Other		-				
Noise insulation (RW (C;Ctr) EN 12758 -dB	31 (-2; -3)	32 (-2; -3)	33 (-2; -3)	34 (0; -2)	31 (-2; -3)	32 (-2; -3)

Energy Codes & Standards, Energy Modelling Guidelines

It is widely recognized the two most progressive energy codes in Canada are the BC Energy Step Code and the Toronto Green Standard. Both of these set energy performance targets for buildings and differ from all of the other national and provincial building codes in this regard. They also share an aspiration to achieve net-zero buildings in the near future recognizing this will require a number of steps in order to for the building industry to navigate a successful transformation. As such, these energy codes represent best building practices that are recommended to all design professionals regardless of lesser requirements in their jurisdiction. The resources listed below will be helpful in understanding how to properly carry out energy modelling in order to comply with these energy performance targets set out in the Toronto Green Standard.

Toronto Green Standard

https://www.toronto.ca/city-government/planning-development/official-plan-guidelines/toronto-green-standard/

Energy Efficiency Report Submission & Modelling Guidelines for the Toronto Green Standard (TGS) Version 4 https://www.toronto.ca/wp-content/uploads/2022/04/978f-TGS-V4-EM-Guideline.pdf

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