

**WASHINGTON STATE OUTCOME-BASED ENERGY BUDGET: ZONE 4C**

**TABLE E110**

Building Occupancy / Use	SITE EUI	BASE	CURRENT	FUTURE	FUTURE	FUTURE	FUTURE
	Per SF	2003	2018	2021	2024	2027	2030
A-3 Library	kWh	30.5	14.6	13.3	11.9	10.5	9.1
	kBTU	104	49.9	45.3	40.6	35.9	31.2
B Office / Bank	kWh	19.7	8.5	7.8	7.2	6.6	5.9
	kBTU	67.3	28.9	26.7	24.5	22.4	20.2
Medical Office (non-diagnostic)	kWh	14.8	7.1	6.4	5.8	5.1	4.4
	kBTU	50.4	24.2	21.9	19.6	17.4	15.1
E School K-12	kWh	17.1	8.2	7.4	6.7	5.9	5.1
	kBTU	58.4	28.0	25.4	22.8	20.2	17.5
I-2 Hospital (Inpatient)	kWh	51.6	24.8	22.5	20.1	17.8	15.5
	kBTU	176.1	84.5	76.6	68.7	60.8	52.8
M Grocery/Food Market	kWh	66.6	32.0	29.0	26.0	23.0	20.0
	kBTU	227.4	109.1	98.9	88.7	78.5	68.2
Retail	kWh	25.7	12.3	11.2	10.0	8.9	7.7
	kBTU	87.5	42.0	38.1	34.1	30.2	26.3
S-1 Parking Enclosed Garage (a)	kWh	3.8	2.3	2.0	1.7	1.4	1.1
	kBTU	13.0	8.0	7.0	5.9	4.9	3.9
Parking Open Garage (a)	kWh	2.3	1.4	1.2	1.0	0.9	0.7
	kBTU	7.8	4.8	4.2	3.6	3.0	2.3
S-2 Non-refrigerated (b) Distribution/shipping	kWh	8.6	4.1	3.7	3.3	3.0	2.6
	kBTU	29.2	14.0	12.7	11.4	10.1	8.8
R-2 Multifamily (+3 stories) Lobby / Common Area	kWh	29.0	17.5	15.3	13.1	10.9	8.7
	kBTU	99	59.7	52.2	44.7	37.2	29.7
	<b>Per Unit</b>						
Studio / Micro-unit or additional BR	kWh	9238	3284	3156	3028	2900	2771
	kBTU	31520	11205	10768	10331	9893	9456
One Bedroom	kWh	18476	6568	6312	6055	5799	5543
	kBTU	63040	22411	21536	20661	19787	18912
Two Bedroom	kWh	27714	9852	9468	9083	8699	8314
	kBTU	94560	33616	32304	30992	29680	28368
Three Bedroom	kWh	36952	13136	12624	12111	11598	11086
	kBTU	126080	44821	43072	41323	39573	37824
ALL Vertical Fenestration U-value	Non-metal		0.28	0.27	0.25	0.24	0.23
	Metal - Fixed		0.33	0.31	0.28	0.26	0.23
	Metal - Operable		0.34	0.32	0.29	0.26	0.23
Air Leakage	CFM75/SF		0.25	0.17	0.14	0.11	0.08
Roof	U-value		0.016	0.015	0.014	0.013	0.012
Wall (above/below grade)	U-value		0.031	0.028	0.024	0.021	0.018
Floors	U-value		0.024	0.023	0.021	0.020	0.018
Slab on Grade	F-value		0.41	0.39	0.36	0.34	0.32

a. Lighting Power Allowance must still comply with Table C405.4.2 (2).  
 b. Applicable to heated warehouses only.

**WASHINGTON STATE OUTCOME-BASED ENERGY BUDGET: ZONE 5B and 6B**

<b>TABLE E110</b>		<b>SITE EUI</b>	<b>BASE</b>	<b>CURRENT</b>	<b>FUTURE</b>	<b>FUTURE</b>	<b>FUTURE</b>	<b>FUTURE</b>
		<b>Per SF</b>						
<b>Building Occupancy / Use</b>	<b>Per Yr</b>	<b>2003</b>	<b>2018</b>	<b>2021</b>	<b>2024</b>	<b>2027</b>	<b>2030</b>	
A-3 Library	kWh	31.9	15.3	13.9	12.4	11.0	9.6	
	kBTU	108.8	52.2	47.3	42.4	37.5	32.6	
B Office / Bank	kWh	20.1	9.1	8.3	7.5	6.8	6.0	
	kBTU	68.6	30.9	28.3	25.8	23.2	20.6	
Medical Office (non-diagnostic)	kWh	15.0	7.2	6.5	5.9	5.2	4.5	
	kBTU	51.3	24.6	22.3	20.0	17.7	15.4	
E School K-12	kWh	18.3	8.8	8.0	7.1	6.3	5.5	
	kBTU	62.4	30.0	27.2	24.3	21.5	18.7	
I-2 Hospital (Inpatient)	kWh	48.5	23.3	21.1	18.9	16.7	14.6	
	kBTU	165.5	79.4	72.0	64.5	57.1	49.7	
M Grocery/Food Market	kWh	66.3	31.8	28.8	25.8	22.9	19.9	
	kBTU	226.1	108.5	98.4	88.2	78.0	67.8	
Retail	kWh	28.4	13.6	12.4	11.1	9.8	8.5	
	kBTU	97.0	46.6	42.2	37.8	33.5	29.1	
S-1 Parking Enclosed Garage (a)	kWh	3.8	2.3	2.0	1.7	1.4	1.1	
	kBTU	13.0	8.0	7.0	5.9	4.9	3.9	
Parking Open Garage (a)	kWh	2.3	1.4	1.2	1.0	0.9	0.7	
	kBTU	7.8	4.8	4.2	3.6	3.0	2.3	
S-2 Non-refrigerated (b) Distribution/shipping	kWh	10.5	5.0	4.6	4.1	3.6	3.1	
	kBTU	35.8	17.2	15.6	14.0	12.4	10.7	
R-2 Multifamily (+3 storie Lobby / Common Area)	kWh	29.0	18.8	16.3	13.8	11.2	8.7	
	kBTU	99	64.2	55.6	46.9	38.3	29.7	
		<b>Per Unit</b>						
Studio / Micro-unit or additional BR	<b>Per Yr</b>	<b>2003</b>	<b>2018</b>	<b>2021</b>	<b>2024</b>	<b>2027</b>	<b>2030</b>	
	kWh	9238	3495	3314	3133	2952	2771	
	kBTU	31520	11925	11308	10691	10073	9456	
One Bedroom	kWh	18476	6990	6628	6267	5905	5543	
	kBTU	63040	23851	22616	21381	20147	18912	
Two Bedroom	kWh	27714	10485	9943	9400	8857	8314	
	kBTU	94560	35776	33924	32072	30220	28368	
Three Bedroom	kWh	36952	13980	13257	12533	11809	11086	
	kBTU	126080	47701	45232	42763	40293	37824	
ALL Vertical Fenestration U-value	Non-metal		0.25	0.23	0.21	0.18	0.16	
	Metal - Fixed		0.31	0.27	0.23	0.20	0.16	
	Metal - Operable		0.32	0.28	0.24	0.20	0.16	
Air Leakage	CFM75/SF		0.25	0.17	0.14	0.11	0.08	
Roof	U-value		0.016	0.015	0.014	0.013	0.012	
Wall (above/below grade)	U-value		0.031	0.028	0.024	0.021	0.018	
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