

Zero energy performance targets for various building types and climate zones
 Values are site energy use intensities (EUIs) [kBtu/sf/yr]¹

Building Type	1A	1B	2A	2B	3A	3B	3C	4A	4B	4C	5A	5B	5C	6A	6B	7	8
Primary School	26	25	26	25	27	23	21	27	24	24	28	25	24	29	26	30	39
Low-Rise Apartment	20	21	19	20	21	19	17	21	20	20	24	21	20	24	23	27	31
Medium Office	24	24	23	23	23	21	17	22	20	20	24	21	20	25	23	22	27
Small Office	19	20	18	19	18	18	16	17	18	17	18	17	16	18	18	20	24
Secondary School	29	29	26	27	26	25	22	24	26	26	25	29	23	24	24	25	35
Public Assembly	27	28	27	27	28	26	24	28	26	26	30	28	27	31	29	34	40
Standalone Retail ²	27	30	26	28	25	26	21	25	26	26	26	28	26	27	26	29	35
Mid-Rise Apartment	22	23	21	22	23	21	19	24	22	22	26	23	23	27	25	30	34
Strip Mall ²	30	33	31	32	33	29	25	34	29	31	39	34	33	41	37	46	60
High-Rise Apartment ²	28	28	27	27	28	26	22	29	27	27	33	29	27	33	30	37	43
Warehouse	5	8	6	8	7	7	7	9	8	8	11	9	9	11	10	15	16
Small Hotel ²	36	35	35	35	35	34	32	36	34	34	38	35	34	39	37	41	47
Fire Station ³	29	30	29	29	30	28	25	30	28	28	33	30	29	33	31	36	43

Find the full paper:

Zero Energy Commercial Building Targets

Commercial building performance targets for designers and policymakers

at <https://newbuildings.org/resource/zero-energy-commercial-building-targets/>

¹ To convert to kWh/m²/yr, multiply these targets by 3.15

² This building type does not have sufficient measured data. The targets are therefore based on modeling analyses only

³ The target for fire stations is based on best-in-class case studies and limited measured data rather than modeling analyses