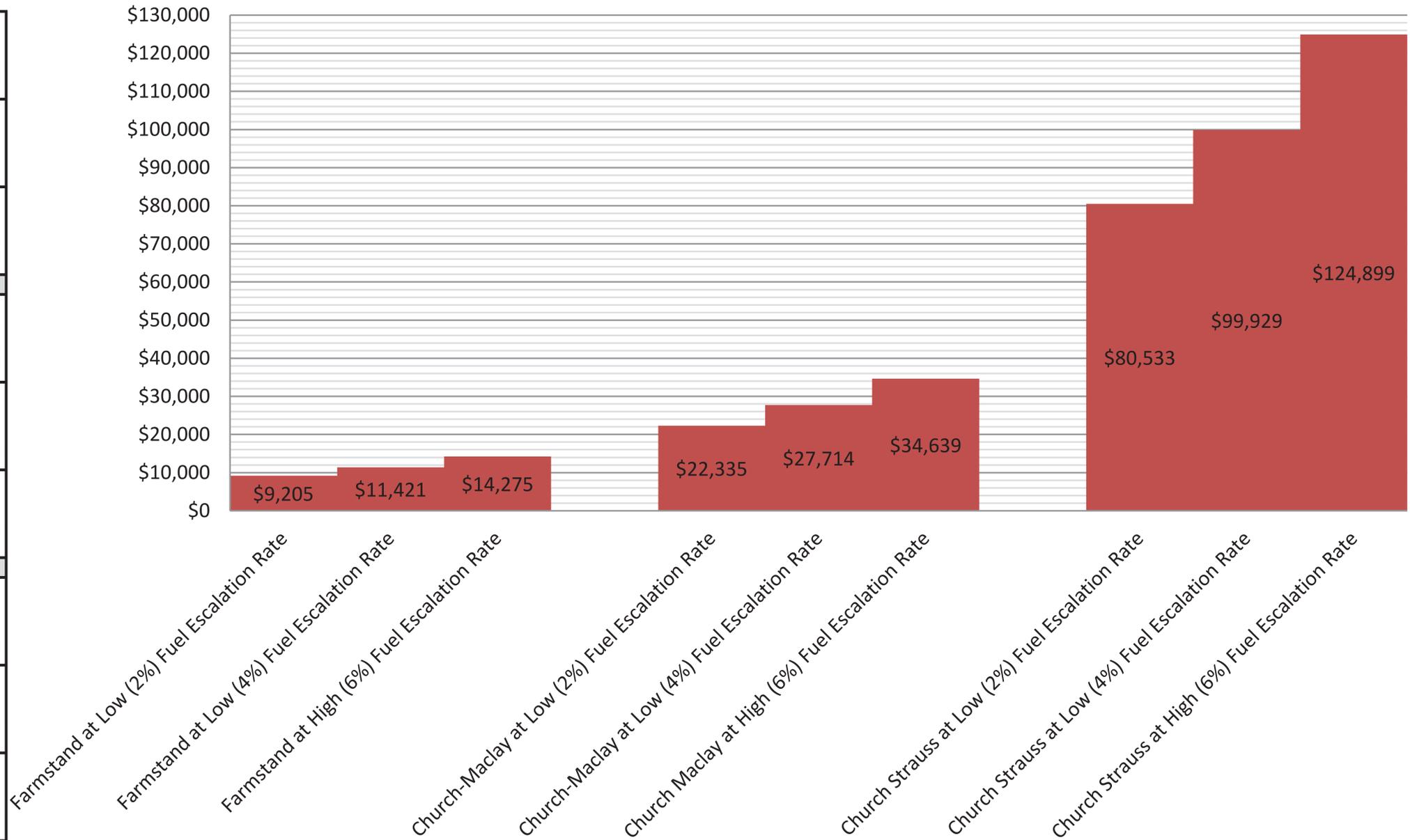


Waitsfield Town Offices - Energy Costs for Heating Comparison

Farmstand at Low (2%) Fuel Escalation Rate	\$9,205
Farmstand at Low (4%) Fuel Escalation Rate	\$11,421
Farmstand at High (6%) Fuel Escalation Rate	\$14,275
Church-Maclay at Low (2%) Fuel Escalation Rate	\$22,335
Church-Maclay at Low (4%) Fuel Escalation Rate	\$27,714
Church Maclay at High (6%) Fuel Escalation Rate	\$34,639
Church Strauss at Low (2%) Fuel Escalation Rate	\$80,533
Church Strauss at Low (4%) Fuel Escalation Rate	\$99,929
Church Strauss at High (6%) Fuel Escalation Rate	\$124,899



Waitsfield Town Office Building Envelope Assumptions

	Church - Maclay	Church - Strauss	Farm Stand
Wall R-value	R-36.5	R-16.8	R-36.5
Roof R-value	R-60	R-40	R-60
Window R-value	R-2	R-2	R-5
Below grade insulation	basement: R-20 below slab, R-20 walls, R-40 top 3' of walls	basement: R-10 below slab, R-10 walls, R-20 top 3' of walls	Slab on grade: R-20 under slab
Air leakage rate, cfm50/sq.ft. surface*	0.2	0.4	0.1

*based on standard air infiltration rates for new construction and high performance renovations (existing buildings =0.8, code = 0.6)

Church-Strauss Option

(2%) Fuel Escalation Rate		(4%) Fuel Escalation Rate		(6%) Fuel Escalation Rate	
Year	heating cost	Year	heating cost	Year	heating cost
1	\$2,693	1	\$2,693	1	\$2,693
2	\$2,802	2	\$2,857	2	\$2,912
3	\$2,915	3	\$3,031	3	\$3,148
4	\$3,033	4	\$3,215	4	\$3,404
5	\$3,156	5	\$3,410	5	\$3,680
6	\$3,283	6	\$3,618	6	\$3,979
7	\$3,416	7	\$3,838	7	\$4,302
8	\$3,554	8	\$4,071	8	\$4,652
9	\$3,697	9	\$4,319	9	\$5,030
10	\$3,847	10	\$4,581	10	\$5,438
11	\$4,002	11	\$4,860	11	\$5,879
12	\$4,164	12	\$5,155	12	\$6,357
13	\$4,332	13	\$5,469	13	\$6,873
14	\$4,507	14	\$5,801	14	\$7,431
15	\$4,689	15	\$6,154	15	\$8,035
16	\$4,878	16	\$6,528	16	\$8,687
17	\$5,076	17	\$6,925	17	\$9,392
18	\$5,281	18	\$7,346	18	\$10,155
19	\$5,494	19	\$7,793	19	\$10,980
20	\$5,716	20	\$8,266	20	\$11,871
	\$80,533		\$99,929		\$124,899

Church-Maclay Option

(2%) Fuel Escalation Rate		(4%) Fuel Escalation Rate		(6%) Fuel Escalation Rate	
Year	heating Cost	Year	heating Cost	Year	heating Cost
1	\$747	1	\$747	1	\$747
2	\$777	2	\$792	2	\$808
3	\$809	3	\$841	3	\$873
4	\$841	4	\$892	4	\$944
5	\$875	5	\$946	5	\$1,021
6	\$911	6	\$1,003	6	\$1,104
7	\$947	7	\$1,064	7	\$1,193
8	\$986	8	\$1,129	8	\$1,290
9	\$1,025	9	\$1,198	9	\$1,395
10	\$1,067	10	\$1,271	10	\$1,508
11	\$1,110	11	\$1,348	11	\$1,631
12	\$1,155	12	\$1,430	12	\$1,763
13	\$1,201	13	\$1,517	13	\$1,906
14	\$1,250	14	\$1,609	14	\$2,061
15	\$1,300	15	\$1,707	15	\$2,228
16	\$1,353	16	\$1,810	16	\$2,409
17	\$1,408	17	\$1,921	17	\$2,605
18	\$1,464	18	\$2,037	18	\$2,816
19	\$1,524	19	\$2,161	19	\$3,045
20	\$1,585	20	\$2,293	20	\$3,292
	\$22,335		\$27,714		\$34,639

Farm Stand Option

(2%) Fuel Escalation Rate		(4%) Fuel Escalation Rate		(6%) Fuel Escalation Rate	
Year	Heating Cost	Year	Heating Cost	Year	Heating Cost
1	\$308	1	\$308	1	\$308
2	\$320	2	\$327	2	\$333
3	\$333	3	\$346	3	\$360
4	\$347	4	\$367	4	\$389
5	\$361	5	\$390	5	\$421
6	\$375	6	\$413	6	\$455
7	\$390	7	\$439	7	\$492
8	\$406	8	\$465	8	\$532
9	\$423	9	\$494	9	\$575
10	\$440	10	\$524	10	\$622
11	\$457	11	\$555	11	\$672
12	\$476	12	\$589	12	\$727
13	\$495	13	\$625	13	\$786
14	\$515	14	\$663	14	\$849
15	\$536	15	\$703	15	\$918
16	\$558	16	\$746	16	\$993
17	\$580	17	\$791	17	\$1,073
18	\$604	18	\$840	18	\$1,161
19	\$628	19	\$891	19	\$1,255
20	\$653	20	\$945	20	\$1,357
	\$9,205		\$11,421		\$14,275