

Energy savings in buildings to 2050
SBI 2017.05.04

Main scenario

Scenarios		Point 1 Basis Measures	Source	Point 2 Cavity walls Measures	Point 3 Windows A Measures	Point 4 Roof little Measures	Point 5 Normal Measures	Point 6 Energy focus Measures	Point 7 Energy focus - Roof complete Measures
Facades									
1-2-1-0	External cavity walls	None	Energy rating scheme (EMO) table	To be completed	To be completed	To be completed	To be completed	To be completed	To be completed
1-2-2-0	Solid exterior walls	25 mm if poor	Energy rating scheme (EMO) table	25 mm if poor	25 mm if poor	25 mm if poor	125 mm if poor	125 mm if poor	125 mm if poor
1-2-3-0	Lightweight exterior walls	75 mm	Spreadsheet	75 mm	75 mm	75 mm	100 mm	100 mm	100 mm
1-2-4-0	Basement exterior walls	None	Energy rating scheme (EMO) table	None	None	None	100 mm	100 mm	100 mm
Roof									
1-1-1-0	Loft	75 mm	Spreadsheet	75 mm	75 mm	200 mm/+75 mm	250 mm/+125 mm	350 mm/+225 mm	350 mm/t 200 mm
1-1-2-0	Flat roof	100 mm	Spreadsheet	100 mm	100 mm	150 mm/t 25 mm	200 mm/+75 mm	300 mm/+175 mm	300 mm/+150 mm
Windows									
1-3-0-0	Windows, rooflights and doors	Energy rating B		Energy rating B	Energy rating A	Energy rating A	Energy rating A	Energy rating A	Energy rating A
1-3-1-0	Windows	Energy rating B		Energy rating B	Energy rating A	Energy rating A	Energy rating A	Energy rating A	Energy rating A
1-3-2-0	Rooflights	Energy rating B		Energy rating B	Energy rating A	Energy rating A	Energy rating A	Energy rating A	Energy rating A
1-3-3-0	External doors	Energy rating B		Energy rating B	Energy rating A	Energy rating A	Energy rating A	Energy rating A	Energy rating A
Floors									
1-4-1-0	Slab	100 mm (expanded clay aggregate?)	Energy rating scheme (EMO) table	100 mm (expanded clay aggregate?)	100 mm (expanded clay aggregate?)	100 mm (expanded clay aggregate?)	200 mm/+100 mm	300 mm/+200 mm	300 mm/+200 mm
1-4-3-0	Crawl space	75 mm	Energy rating scheme (EMO) table	75 mm	75 mm	75 mm	150 mm	200 mm	200 mm
1-4-4-0	Basement floor	100 mm (expanded clay aggregate?)	Energy rating scheme (EMO) table	100 mm (expanded clay aggregate?)	100 mm (expanded clay aggregate?)	100 mm (expanded clay aggregate?)	200 mm/+100 mm	300 mm/+200 mm	300 mm/+200 mm
1-4-1-1	Slab with underfloor heating	100 mm (expanded clay aggregate?)	Energy rating scheme (EMO) table	100 mm (expanded clay aggregate?)	100 mm (expanded clay aggregate?)	100 mm (expanded clay aggregate?)	200 mm/+75 mm	300 mm/+175 mm	300 mm/+175 mm
1-4-3-1	Crawl space with underfloor heating	75 mm	Energy rating scheme (EMO) table	75 mm	75 mm	75 mm	150 mm	200 mm	200 mm
Ventilation									
	Mechanical ventilation with thermal efficiency of heat recovery	+ 10% of residual land, exterior		+ 10% of residual land, exterior	+ 10% of residual land, exterior	+ 10% of residual land, exterior	+ 10% of residual land, exterior	+ 10% of residual land, exterior	+ 10% of residual land, exterior

4.0% p.a.

Total for package

Basis (point 1)

	Gross area	Buildings	Energy	Dim. eff.	Energy	Dim. eff.	Reduction in energy	Dim. eff.	Reduction in energy	Dim. eff.	Investment basis	Cost basis	(NPV/year) Energy	Cost Energy	Invest. Dim. eff.	
Use	436.3 Mm ²	1,717,580 Number	116 kWh/year m ²	47 W/m ²	50.6 TWh/year	20,539 MW	8.81 TWh/year	3,147 MW	17.4 %	15.3 %	421,962 DKK million	0 DKK million	23,528 DKK million/year	0 DKK million/year	0,000 DKK/kWh	0 DKK/kWh
110	22.0	113,980	126	51	2.77	1,115	0.58	213	21.0	19.1	22,085	0	1,213	0	0,000	0
120	162.2	1,102,462	126	49	20.50	8,015	3.46	1,240	16.9	15.5	169,429	0	9,397	0	0,000	0
130	37.1	244,885	109	41	4.05	1,532	0.69	239	17.0	15.6	36,108	0	2,022	0	0,000	0
140p	92.3	102,558	104	44	9.56	4,040	1.89	693	19.7	17.2	84,942	0	4,818	0	0,000	0
300p	84.4	109,180	109	46	9.24	3,868	1.43	495	15.5	12.8	71,917	0	3,999	0	0,000	0
400p	38.3	44,515	118	51	4.51	1,969	0.76	266	16.8	13.5	37,481	0	2,078	0	0,000	0
Cavity walls (point 2)																
	Gross area	Buildings	Energy	Dim. eff.	Energy	Dim. eff.	Reduction in energy	Dim. eff.	Reduction in energy	Dim. eff.	Investment basis	Energy	Cost basis	(NPV/year) Energy	Cost Energy	Invest. Dim. eff.
Use	436.3 Mm ²	1,717,580 Number	116 kWh/year m ²	47 W/m ²	50.6 TWh/year	20,539 MW	3,577 TWh/year	17.4 %	19.8 %	17.4 %	421,962 DKK million	2,739 DKK million/year	23,528 DKK million/year	121 DKK million/year	0,012 DKK/kWh	766 DKK/kWh
110	22.0	113,980	126	51	2.77	1,115	0.71	260	25.8	23.3	22,085	294	1,213	13	0.018	1,130
120	162.2	1,102,462	126	49	20.50	8,015	4.06	1,453	19.8	18.1	169,429	1,337	9,397	59	0.015	920
130	37.1	244,885	109	41	4.05	1,532	0.74	257	18.2	16.7	36,108	106	2,022	5	0.006	413
140p	92.3	102,558	104	44	9.56	4,040	2.18	791	22.8	19.6	84,942	647	4,818	29	0.013	818
300p	84.4	109,180	109	46	9.24	3,868	1.53	528	16.6	13.6	71,917	210	3,999	9	0.006	397
400p	38.3	44,515	118	51	4.51	1,969	0.83	289	18.3	14.7	37,481	146	2,078	6	0.008	505

Windows with energy rating A (point 3)				Windows with energy rating A (point 3)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Marginal costs
From point to point

To:	Pkt_2	Pkt_2	Pkt_2	Pkt_2	Pkt_2	Pkt_2	Pkt_2	Pkt_2	Pkt_2	Pkt_2	
From:	Pkt_1	Pkt_1	Pkt_1	Pkt_1	Pkt_1	Pkt_1	Pkt_1	Pkt_1	Pkt_1	Pkt_1	
Col.	p	q	r	s	t	u	v	w	x	y	
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	Rk.
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	27
110DT2	0.011	0.022	0.007	0.002	0.002	0.000	0.000	0.000	0.000	0.044	28
110DT3	0.021	0.045	0.013	0.005	0.002					0.086	29
120DT1	0.001	0.003	0.002	0.001	0.002	0.000	0.000	0.000	0.000	0.009	30
120DT2	0.014	0.053	0.025	0.025	0.063	0.008	0.001			0.190	31
120DT3	0.024	0.158	0.110	0.067						0.398	32
130DT1	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001	33
130DT2	0.001	0.002	0.002	0.004	0.003	0.001				0.013	34
130DT3	0.003	0.010	0.009	0.007	0.006					0.034	35
140pDT1	0.000			0.000	0.001	0.000	0.000	0.000	0.000	0.003	36
140pDT2	0.001	0.004	0.002	0.008	0.010	0.001	0.000			0.025	37
140pDT3	0.008	0.077	0.087	0.054	0.032	0.001				0.261	38
300pDT1	0.000	0.000	0.001	0.000	0.002	0.000	0.000	0.000	0.000	0.003	39
300pDT2	0.002	0.005	0.003	0.005	0.012	0.002	0.000	0.000		0.028	40
300pDT3	0.006	0.024	0.015	0.010	0.008					0.066	41
400pDT1	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.002	42
400pDT2	0.001	0.004	0.003	0.009	0.009	0.001	0.000			0.027	43
400pDT3	0.006	0.010	0.009	0.010	0.005					0.039	44
All	0.099	0.418	0.290	0.209	0.194	0.016	0.004	0.000	0.000	1.230	45
Col.	b	c	d	e	f	g	h	i	j	k	
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	Rk.
kWh/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	0.26	0.44	0.54	0.55	0.51	0.00	0.00	0.51	0.00	0.29	27
110DT2	3.88	5.33	5.62	4.41	3.05	0.40	0.00			4.57	28
110DT3	11.76	19.22	20.81	22.99	24.43					17.00	29
120DT1	0.22	0.61	1.11	0.75	0.11	0.02	0.00	0.00	0.00	0.12	30
120DT2	2.89	3.87	2.54	3.21	2.47	0.91	0.45			2.64	31
120DT3	11.86	22.15	22.89	24.82						21.96	32
130DT1	0.15	0.55	0.35	3.00	0.12	0.01	0.00	0.00	0.00	0.05	33
130DT2	1.48	2.24	1.65	2.47	1.30	0.47				1.43	34
130DT3	5.21	10.44	12.55	13.46	11.28					10.13	35
140pDT1	0.01			0.16	0.33	0.00	0.01	0.00	0.00	0.11	36
140pDT2	0.34	0.70	0.66	2.68	1.03	0.32	0.16			0.92	37
140pDT3	2.10	5.00	7.39	11.34	8.97	3.16				6.51	38
300pDT1	0.02	0.06	0.90	0.05	0.39	0.01	0.00	0.00	0.00	0.06	39
300pDT2	0.89	1.30	1.87	2.73	1.42	0.36	0.09	0.03		1.08	40
300pDT3	2.66	5.72	8.04	8.31	4.51					5.21	41
400pDT1	0.32	0.13	1.93	0.38	0.06	0.13	0.04	0.00	0.00	0.11	42
400pDT2	0.83	1.64	2.14	3.78	1.55	0.30	0.20			1.67	43
400pDT3	5.52	5.44	11.20	17.93	6.77					7.71	44
All	3.08	5.81	6.68	6.76	2.24	0.36	0.06	0.01	0.00	2.82	45

Col.	b	c	d	e	f	g	h		j	k	
Energy invest. DKK/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	Rk.
110DT1	0	1	1	1	1	0	0	1	0	1	218
110DT2	8	12	12	9	7	1	0			10	219
110DT3	27	43	47	52	56					38	220
120DT1	0	1	2	1	0	0	0	0	0	0	221
120DT2	6	8	6	7	6	2	1			6	222
120DT3	26	49	51	55						49	223
130DT1	0	1	1	5	0	0	0	0	0	0	224
130DT2	3	5	4	6	3	1				3	225
130DT3	12	23	28	29	24					22	226
140pDT1	0			0	1	0	0	0	0	0	227
140pDT2	1	2	2	7	3	1	0			2	228
140pDT3	5	11	17	26	19	7				14	229
300pDT1	0	0	2	0	1	0	0	0	0	0	230
300pDT2	2	3	4	6	3	1	0	0		2	231
300pDT3	6	12	17	17	10					11	232
400pDT1	1	0	3	1	0	0	0	0	0	0	233
400pDT2	2	3	5	8	4	1	0			4	234
400pDT3	11	12	23	37	15					16	235
All	7	13	15	15	5	1	0	0	0	6	236

Col.	p	q	r	s	t	u	v	w	x	y	
Energy invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	Rk.
110DT1	0.9	2.0	0.5	0.1	0.2	0.0	0.0	0.5	0.0	4.3	98
110DT2	24.1	48.1	15.1	3.9	4.1	0.3				95.6	99
110DT3	48.0	100.5	30.4	11.1	3.5					193.7	100
120DT1	1.4	5.7	4.2	1.9	3.4	0.6	0.1	0.0	0.0	17.3	101
120DT2	31.2	115.7	57.0	56.7	153.3	20.7	1.3			436.1	102
120DT3	53.7	349.2	244.9	148.5						883.2	103
130DT1	0.1	0.4	0.1	1.3	0.4	0.0	0.0	0.0	0.0	2.3	104
130DT2	2.1	5.3	3.7	8.0	7.8	2.1				29.3	105
130DT3	5.5	22.1	19.2	15.7	11.9					74.5	106
140pDT1	0.0			0.3	2.4	0.0	0.1	0.0	0.0	5.4	107
140pDT2	1.6	8.5	5.0	19.0	27.7	2.0	0.6			64.5	108
140pDT3	18.7	165.9	196.1	123.0	69.8	3.1				577.5	109
300pDT1	0.0	0.1	1.3	0.1	3.8	0.1	0.1	0.0	0.0	5.6	110
300pDT2	3.1	9.5	6.1	12.2	28.1	4.0	0.7	0.0		63.8	111
300pDT3	13.1	50.4	32.3	21.8	18.8					140.2	112
400pDT1	0.1	0.2	1.4	0.4	0.4	0.5	0.2	0.0	0.0	3.3	113
400pDT2	2.2	7.7	6.9	19.7	21.5	1.3	0.3			59.7	114
400pDT3	11.1	21.4	19.3	19.8	9.8					82.7	115
All	217.2	913.1	646.0	463.4	450.5	38.7	9.2	0.8	0.2	2,739.0	116

Col.	p	q	r	s	t	u	v	w	x	y	
Energy cost DKK million/year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	Rk.
110DT1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	121
110DT2	1.1	2.1	0.7	0.2	0.2	0.0	0.0			4.2	122
110DT3	2.1	4.4	1.3	0.5	0.2					8.6	123
120DT1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.8	124
120DT2	1.4	5.1	2.5	2.5	6.8	0.9	0.1			19.3	125
120DT3	2.4	15.4	10.8	6.6						39.0	126
130DT1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	127
130DT2	0.1	0.2	0.2	0.4	0.3	0.1				1.3	128
130DT3	0.2	1.0	0.8	0.7	0.5					3.3	129
140pDT1	0.0			0.0	0.1	0.0	0.0	0.0	0.0	0.2	130
140pDT2	0.1	0.4	0.2	0.8	1.2	0.1	0.0			2.9	131
140pDT3	0.8	7.3	8.7	5.4	3.1	0.1				25.5	132
300pDT1	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.2	133
300pDT2	0.1	0.4	0.3	0.5	1.2	0.2	0.0	0.0		2.8	134
300pDT3	0.6	2.2	1.4	1.0	0.8					6.2	135
400pDT1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	136
400pDT2	0.1	0.3	0.3	0.9	0.9	0.1	0.0			2.6	137
400pDT3	0.5	0.9	0.9	0.9	0.4					3.7	138
All	9.6	40.4	28.6	20.5	19.9	1.7	0.4	0.0	0.0	121.1	139

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	1.83	2.13	2.03	2.10	2.14			1.97		2.03
110DT2	2.18	2.18	2.18	2.12	2.37	2.56				2.19
110DT3	2.30	2.24	2.27	2.27	2.30					2.26
120DT1	1.87	1.84	1.87	1.78	2.23	2.34	2.16	1.63	3.43	1.92
120DT2	2.20	2.18	2.24	2.24	2.43	2.67	2.44			2.30
120DT3	2.22	2.21	2.23	2.20						2.22
130DT1	1.71	1.68	1.83	1.72	1.69	2.99	1.66			1.72
130DT2	2.15	2.20	2.35	2.26	2.29	2.71				2.28
130DT3	2.21	2.25	2.23	2.17	2.14					2.21
140pDT1	3.34			2.16	2.30	0.74	1.40	3.43		2.06
140pDT2	2.45	2.41	2.39	2.43	2.74	2.06	2.71			2.54
140pDT3	2.24	2.15	2.26	2.27	2.16	2.19				2.21
300pDT1	2.04	2.06	1.79	1.78	2.19	2.75	2.07	1.71		2.08
300pDT2	2.07	2.11	2.15	2.23	2.36	2.57	2.07	1.75		2.27
300pDT3	2.09	2.10	2.11	2.09	2.24					2.13
400pDT1	1.61	3.43	1.62	1.87	2.55	1.73	0.85	1.90	1.63	1.70
400pDT2	2.09	2.10	2.32	2.13	2.41	2.04	2.19			2.24
400pDT3	1.99	2.17	2.08	2.06	2.14					2.10
All	2.20	2.19	2.23	2.22	2.32	2.47	2.18	2.48	2.15	2.23

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.08	0.09	0.09	0.09	0.09			0.09		0.09
110DT2	0.10	0.10	0.10	0.09	0.10	0.11				0.10
110DT3	0.10	0.10	0.10	0.10	0.10					0.10
120DT1	0.08	0.08	0.08	0.08	0.10	0.10	0.10	0.07	0.15	0.09
120DT2	0.10	0.10	0.10	0.10	0.11	0.12	0.11			0.10
120DT3	0.10	0.10	0.10	0.10						0.10
130DT1	0.08	0.07	0.08	0.08	0.07	0.13	0.07			0.08
130DT2	0.09	0.10	0.10	0.10	0.10	0.12				0.10
130DT3	0.10	0.10	0.10	0.10	0.09					0.10
140pDT1	0.15			0.10	0.10	0.03	0.06	0.15		0.09
140pDT2	0.11	0.11	0.11	0.11	0.12	0.09	0.12			0.11
140pDT3	0.10	0.09	0.10	0.10	0.10	0.10				0.10
300pDT1	0.09	0.09	0.08	0.08	0.10	0.12	0.09	0.08		0.09
300pDT2	0.09	0.09	0.09	0.10	0.10	0.11	0.09	0.08		0.10
300pDT3	0.09	0.09	0.09	0.09	0.10					0.09
400pDT1	0.07	0.15	0.07	0.08	0.11	0.08	0.04	0.08	0.07	0.08
400pDT2	0.09	0.09	0.10	0.09	0.11	0.09	0.10			0.10
400pDT3	0.09	0.10	0.09	0.09	0.09					0.09
All	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.11	0.10	0.10

Saving TWh	Col.	p1	q	r	s	t	u	v	w	x	y	Rk.
		-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110		0.032	0.068	0.021	0.007	0.003	0.000	0.000	0.000	0.000	0.131	361
120		0.039	0.214	0.137	0.094	0.102	0.009	0.001	0.000	0.000	0.597	362
130		0.004	0.013	0.010	0.011	0.009	0.001	0.000	0.000	0.000	0.048	363
140		0.009	0.081	0.090	0.062	0.044	0.002	0.001	0.000	0.000	0.289	364
300		0.008	0.029	0.019	0.016	0.022	0.002	0.002	0.000	0.000	0.097	365
400		0.007	0.014	0.013	0.019	0.014	0.001	0.001	0.000	0.000	0.068	366
All		0.099	0.418	0.290	0.209	0.194	0.016	0.004	0.000	0.000	1.230	367

Saving kWh/m ²	Col.	b	c	d	e	f	g	h	i	j	k	Rk.
		p1	p2	p3	p4	p5	p6	p7	p8	p9	Total	
110		5.0	7.8	0.7	9.1	3.9	0.3	0.0	0.5	0.0	6.0	372
120		3.7	8.3	8.1	7.8	2.5	0.4	0.1	0.0	0.0	3.7	373
130		2.3	5.1	5.7	5.2	1.9	0.2	0.0	0.0	0.0	1.3	374
140		1.4	3.8	5.8	7.3	2.6	0.4	0.1	0.0	0.0	3.1	375
300		1.7	3.2	4.5	4.1	1.5	0.3	0.1	0.0	0.0	1.1	376
400		2.6	3.0	4.9	5.4	1.5	0.2	0.1	0.0	0.0	1.8	377
All		3.1	5.8	6.7	6.8	2.2	0.4	0.1	0.0	0.0	2.8	378

Energy invest. DKK/m ²	Col.	b	c	d	e	f	g	h	i	j	k	Rk.
		p1	p2	p3	p4	p5	p6	p7	p8	p9	Total	
110		11	17	19	20	9	1	0	1	0	13	440
120		8	18	18	17	6	1	0	0	0	8	441
130		5	11	13	11	4	1	0	0	0	3	442
140		3	8	13	17	6	1	0	0	0	7	443
300		3	7	9	9	3	1	0	0	0	2	444
400		5	6	10	11	4	0	0	0	0	4	445
All		7	13	15	15	5	1	0	0	0	6	446

Energy invest. DKK million	Col.	b	c	d	e	f	g	h	i	j	k	Rk.
		p1	p2	p3	p4	p5	p6	p7	p8	p9	Total	
110		73	151	46	15	8	0	0	0	0	294	429
120		86	471	306	207	240	24	2	0	0	1,337	430
130		8	28	23	25	20	2	0	0	0	106	431
140		20	175	203	142	100	5	2	0	0	647	432
300		16	60	40	34	51	5	4	0	0	210	433
400		14	29	28	40	32	2	1	0	0	146	434
All		217	913	646	463	451	39	9	1	0	2,739	435

Energy cost DKK million/year	Col.	b	c	d	e	f	g	h	i	j	k	Rk.
		p1	p2	p3	p4	p5	p6	p7	p8	p9	Total	
110		3.2	6.7	2.0	0.7	0.3	0.0	0.0	0.0	0.0	13	463
120		3.8	20.8	13.5	9.2	10.6	1.1	0.1	0.0	0.0	59	464
130		0.3	1.2	1.0	1.1	0.9	0.1	0.0	0.0	0.0	5	465
140		0.9	7.7	9.0	6.3	4.4	0.2	0.1	0.0	0.0	29	466
300		0.7	2.7	1.8	1.5	2.2	0.2	0.2	0.0	0.0	9	467
400		0.6	1.3	1.2	1.8	1.4	0.1	0.1	0.0	0.0	6	468
All		10	40	29	20	20	2	0	0	0	121	469

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	2.25	2.22	2.24	2.23	2.33	2.25		1.97		2.23
120	2.21	2.20	2.23	2.21	2.34	2.59	2.28	6.81	2.19	2.24
130	2.18	2.23	2.25	2.17	2.18	2.71	2.02	2.62		2.21
140	2.25	2.16	2.26	2.29	2.30	2.14	1.85	3.37		2.24
300	2.08	2.10	2.10	2.13	2.30	2.50	2.42	1.74		2.17
400	2.00	2.16	2.11	2.09	2.32	1.96	1.95	1.90	1.63	2.14
All	2.20	2.19	2.23	2.22	2.32	2.47	2.18	2.48	2.15	2.23

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.10	0.10	0.10	0.10	0.10	0.10		0.09		0.10
120	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.30	0.10	0.10
130	0.10	0.10	0.10	0.10	0.10	0.12	0.09	0.12		0.10
140	0.10	0.10	0.10	0.10	0.10	0.09	0.08	0.15		0.10
300	0.09	0.09	0.09	0.09	0.10	0.11	0.11	0.08		0.10
400	0.09	0.10	0.09	0.09	0.10	0.09	0.09	0.08	0.07	0.09
All	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.11	0.10	0.10

To: Pkt_3 Pkt_3 Pkt_3 Pkt_3 Pkt_3 Pkt_3 Pkt_3 Pkt_3 Pkt_3 Pkt_3
From: Pkt_2 Pkt_2 Pkt_2 Pkt_2 Pkt_2 Pkt_2 Pkt_2 Pkt_2 Pkt_2 Pkt_2

Saving TWh	Col.	p	q	r	s	t	u	v	w	x	y
		p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1		0.012	0.014	0.003	0.001	0.002	0.002	0.006	0.003	0.006	0.049
110DT2		0.016	0.024	0.007	0.003	0.004	0.002	0.001			0.057
110DT3		0.009	0.012	0.004	0.001	0.000					0.027
120DT1		0.021	0.034	0.014	0.011	0.112	0.109	0.122	0.061	0.066	0.550
120DT2		0.028	0.085	0.065	0.055	0.194	0.064	0.008			0.499
120DT3		0.011	0.040	0.029	0.017						0.107
130DT1		0.003	0.003	0.001	0.002	0.015	0.017	0.084	0.032	0.026	0.182
130DT2		0.004	0.006	0.006	0.010	0.020	0.013				0.063
130DT3		0.003	0.005	0.004	0.003	0.003					0.020
140pDT1		0.003			0.006	0.024	0.014	0.047	0.037	0.041	0.182
140pDT2		0.012	0.031	0.019	0.019	0.070	0.021	0.009			0.183
140pDT3		0.025	0.094	0.071	0.031	0.026	0.003				0.250
300pDT1		0.003	0.006	0.005	0.004	0.025	0.015	0.087	0.061	0.064	0.270
300pDT2		0.009	0.018	0.008	0.012	0.044	0.020	0.019	0.005		0.136
300pDT3		0.012	0.022	0.011	0.007	0.010					0.068
400pDT1		0.001	0.003	0.003	0.004	0.017	0.014	0.036	0.020	0.017	0.115
400pDT2		0.006	0.012	0.008	0.015	0.036	0.012	0.004			0.094
400pDT3		0.005	0.010	0.005	0.003	0.004					0.028
All		0.183	0.426	0.266	0.203	0.615	0.310	0.427	0.223	0.226	2.879

Saving kWh/m ²	Col.	b	c	d	e	f	g	h	i	j	k
		p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1		6.08	6.27	6.47	6.55	6.92	7.31	6.91	7.49	8.14	6.65
110DT2		5.69	5.87	6.05	6.14	6.50	6.86	6.50			5.92
110DT3		5.19	5.36	5.53	5.62	5.99					5.34
120DT1		6.07	6.60	6.96	7.37	8.06	7.99	731	8.11	7.91	7.62
120DT2		5.68	6.17	6.52	6.96	7.58	7.48	6.84			6.94
120DT3		5.19	5.64	5.97	6.37						5.89
130DT1		6.47	6.39	6.75	7.43	8.18	8.58	6.75	7.89	7.75	7.32
130DT2		6.03	6.00	6.38	7.09	7.66	8.01				7.11
130DT3		5.52	5.47	5.83	6.53	6.99					5.99
140pDT1		6.66			7.10	7.47	7.24	6.16	8.50	8.71	7.38
140pDT2		6.22	6.15	6.05	6.56	7.17	6.94	5.76			6.63
140pDT3		6.19	6.09	6.02	6.52	7.09	7.10				6.23
300pDT1		5.64	5.53	5.97	5.81	5.55	4.98	5.34	6.86	6.55	5.92
300pDT2		5.29	5.19	5.45	5.76	5.20	4.62	5.00	6.35		5.19
300pDT3		5.28	5.22	5.61	5.85	5.15					5.37
400pDT1		5.35	5.69	6.10	6.34	6.75	6.25	6.14	8.32	7.38	6.71
400pDT2		5.01	5.32	5.72	6.01	6.34	5.88	5.79			5.91
400pDT3		5.02	5.33	5.59	6.00	6.37					5.53
All		5.71	5.92	6.13	6.56	7.08	7.04	6.29	7.70	7.50	6.60

Col. Energy invest. DKK/m ²	b p1 -1890	c p2 1890-1929	d p3 1930-1949	e p4 1950-1959	f p5 1960-1972	g p6 1973-1978	h p7 1979-1998	i p8 1999-2006	j p9 2007-2016	k pS Total
110DT1	15	15	16	16	17	18	17	19	20	16
110DT2	15	15	16	16	17	18	17			16
110DT3	15	15	16	16	17					15
120DT1	15	16	17	18	20	20	18	20	20	19
120DT2	15	16	17	18	20	20	18			18
120DT3	15	16	17	18						17
130DT1	16	16	17	18	20	21	17	20	19	18
130DT2	16	16	17	19	20	21				19
130DT3	16	16	17	19	20					17
140pDT1	16			17	18	18	15	21	22	18
140pDT2	16	16	16	17	19	18	15			17
140pDT3	16	16	16	17	19	19				17
300pDT1	14	14	15	15	14	12	13	17	17	15
300pDT2	14	14	14	15	14	12	13	17		14
300pDT3	14	14	15	15	14					14
400pDT1	13	14	15	16	17	15	15	21	19	17
400pDT2	13	14	15	16	17	16	15			16
400pDT3	13	14	15	16	17					15
All	15	16	16	17	18	18	16	19	19	17

Col. Energy invest. DKK million	p p1 -1890	q p2 1890-1929	r p3 1930-1949	s p4 1950-1959	t p5 1960-1972	u p6 1973-1978	v p7 1979-1998	w p8 1999-2006	x p9 2007-2016	y pS Total
110DT1	28.8	33.7	7.9	1.9	4.4	6.1	15.1	8.4	15.0	120.8
110DT2	42.7	63.8	19.7	6.7	9.7	5.2	1.3			149.3
110DT3	26.6	36.0	10.2	3.5	1.1					77.6
120DT1	52.7	82.7	34.8	26.2	276.8	269.1	301.7	150.3	166.0	1,360.2
120DT2	73.4	223.4	172.7	144.5	510.2	167.6	21.4			1,314.8
120DT3	30.5	116.2	82.6	49.9						308.6
130DT1	6.2	6.5	2.4	4.5	36.0	41.3	208.0	80.5	65.5	450.8
130DT2	10.5	17.0	16.3	27.0	53.3	35.4				167.6
130DT3	7.7	14.9	11.6	10.1	10.0					58.0
140pDT1	6.3			14.6	58.4	33.8	116.2	91.6	103.3	450.1
140pDT2	31.2	81.3	50.3	50.3	185.3	55.6	22.8			481.8
140pDT3	65.4	250.9	187.5	82.9	67.8	8.5				663.9
300pDT1	8.4	15.6	11.9	9.0	61.8	36.3	214.3	153.8	162.4	673.5
300pDT2	23.8	47.5	21.8	30.5	115.0	52.7	49.4	12.7		358.5
300pDT3	32.7	57.7	28.0	19.3	25.2					178.8
400pDT1	3.3	7.2	6.8	8.9	42.5	33.3	89.1	50.3	43.5	284.9
400pDT2	17.1	31.5	21.1	38.8	95.7	31.9	10.5			249.3
400pDT3	13.4	25.4	12.2	8.4	11.3					74.6
All	480.7	1,127.2	707.6	536.9	1,591.5	788.9	1,062.9	556.3	571.0	7,423.0

Col. Energy cost DKK million/year	p p1 -1890	q p2 1890-1929	r p3 1930-1949	s p4 1950-1959	t p5 1960-1972	u p6 1973-1978	v p7 1979-1998	w p8 1999-2006	x p9 2007-2016	y pS Total
110DT1	1.7	1.9	0.5	0.1	0.2	0.4	0.9	0.5	0.9	7.0
110DT2	2.5	3.7	1.1	0.4	0.6	0.3	0.1			8.6
110DT3	1.5	2.1	0.6	0.2	0.1					4.5
120DT1	3.0	4.8	2.0	1.5	16.0	15.6	17.4	8.7	9.6	78.7
120DT2	4.2	12.9	10.0	8.4	29.5	9.7	1.2			76.0
120DT3	1.8	6.7	4.8	2.9						17.8
130DT1	0.4	0.4	0.1	0.3	2.1	2.4	12.0	4.7	3.8	26.1
130DT2	0.6	1.0	0.9	1.6	3.1	2.0				9.7
130DT3	0.4	0.9	0.7	0.6	0.6					3.4
140pDT1	0.4			0.8	3.4	2.0	6.7	5.3	6.0	26.0
140pDT2	1.8	4.7	2.9	2.9	10.7	3.2	1.3			27.9
140pDT3	3.8	14.5	10.8	4.8	3.9	0.5				38.4
300pDT1	0.5	0.9	0.7	0.5	3.6	2.1	12.4	8.9	9.4	38.9
300pDT2	1.4	2.7	1.3	1.8	6.7	3.0	2.9	0.7		20.7
300pDT3	1.9	3.3	1.6	1.1	1.5					10.3
400pDT1	0.2	0.4	0.4	0.5	2.5	1.9	5.2	2.9	2.5	16.5
400pDT2	1.0	1.8	1.2	2.2	5.5	1.8	0.6			14.4
400pDT3	0.8	1.5	0.7	0.5	0.7					4.3
All	27.8	65.2	40.9	31.0	92.0	45.6	61.5	32.2	33.0	429.3

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	2.46	2.46	2.46	2.47	2.46	2.46	2.47	2.48	2.50	2.47
110DT2	2.63	2.63	2.64	2.63	2.64	2.63	2.63			2.64
110DT3	2.89	2.88	2.88	2.88	2.88					2.89
120DT1	2.46	2.46	2.46	2.47	2.47	2.46	2.46	2.48	2.53	2.47
120DT2	2.64	2.64	2.64	2.64	2.64	2.63	2.63			2.64
120DT3	2.88	2.89	2.89	2.89						2.89
130DT1	2.46	2.47	2.47	2.47	2.47	2.46	2.47	2.48	2.51	2.48
130DT2	2.64	2.64	2.65	2.65	2.64	2.63				2.64
130DT3	2.89	2.89	2.89	2.89	2.90					2.91
140pDT1	2.46			2.45	2.47	2.50	2.48	2.47	2.49	2.48
140pDT2	2.63	2.63	2.63	2.63	2.63	2.65	2.64			2.64
140pDT3	2.65	2.66	2.65	2.66	2.65	2.64				2.66
300pDT1	2.46	2.46	2.47	2.52	2.48	2.47	2.47	2.50	2.54	2.49
300pDT2	2.63	2.64	2.65	2.64	2.64	2.65	2.65	2.72		2.64
300pDT3	2.63	2.63	2.63	2.63	2.63					2.63
400pDT1	2.47	2.46	2.46	2.49	2.46	2.46	2.46	2.47	2.53	2.48
400pDT2	2.64	2.64	2.63	2.64	2.64	2.65	2.64			2.64
400pDT3	2.63	2.63	2.63	2.64	2.63					2.64
All	2.63	2.65	2.66	2.65	2.59	2.54	2.49	2.49	2.53	2.58

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
110DT2	0.15	0.15	0.15	0.15	0.15	0.15	0.15			0.15
110DT3	0.17	0.17	0.17	0.17	0.15					0.17
120DT1	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.14
120DT2	0.15	0.15	0.15	0.15	0.15	0.15	0.15			0.15
120DT3	0.17	0.17	0.17	0.17						0.17
130DT1	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.14
130DT2	0.15	0.15	0.15	0.15	0.15	0.15				0.15
130DT3	0.17	0.17	0.17	0.17	0.17					0.17
140pDT1	0.14			0.14	0.14	0.14	0.14	0.14	0.14	0.14
140pDT2	0.15	0.15	0.15	0.15	0.15	0.15	0.15			0.15
140pDT3	0.15	0.15	0.15	0.15	0.15	0.15				0.15
300pDT1	0.14	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.15	0.14
300pDT2	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16		0.15
300pDT3	0.15	0.15	0.15	0.15	0.15					0.15
400pDT1	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.14
400pDT2	0.15	0.15	0.15	0.15	0.15	0.15	0.15			0.15
400pDT3	0.15	0.15	0.15	0.15	0.15					0.15
All	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.15	0.15

Col.	p	q	r	s	t	u	v	w	x	y
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.037	0.050	0.014	0.005	0.006	0.004	0.007	0.003	0.006	0.132
120	0.060	0.159	0.108	0.083	0.315	0.173	0.131	0.061	0.066	1.156
130	0.009	0.014	0.011	0.016	0.038	0.031	0.087	0.033	0.026	0.265
140	0.039	0.132	0.094	0.056	0.120	0.038	0.056	0.038	0.042	0.614
300	0.025	0.046	0.024	0.022	0.078	0.036	0.107	0.067	0.069	0.474
400	0.013	0.025	0.015	0.021	0.058	0.027	0.040	0.021	0.017	0.238
All	0.183	0.426	0.266	0.203	0.615	0.310	0.427	0.223	0.226	2.879

Col.	b	c	d	e	f	g	h	i	j	k
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
kWh/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	5.7	5.8	6.0	6.1	6.6	7.1	6.8	7.3	8.1	6.0
120	5.7	6.1	6.4	6.9	7.7	7.8	7.3	8.1	7.9	7.1
130	6.0	5.9	6.2	7.0	7.8	8.3	6.7	7.9	7.7	7.1
140	6.2	6.1	6.0	6.6	7.2	7.1	6.1	8.5	8.7	6.7
300	5.3	5.2	5.6	5.8	5.3	4.8	5.3	6.8	6.5	5.6
400	5.0	5.4	5.7	6.1	6.5	6.1	6.1	8.3	7.4	6.2
All	5.7	5.9	6.1	6.6	7.1	7.0	6.3	7.7	7.5	6.6

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	15	15	16	16	17	18	17	19	20	16
120	15	16	17	18	20	20	18	20	20	18
130	16	16	17	19	20	21	17	20	19	18
140	16	16	16	17	19	18	15	21	22	17
300	14	14	15	15	14	12	13	17	17	14
400	13	14	15	16	17	15	15	21	19	16
All	15	16	16	17	18	18	16	19	19	17

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK million	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	98	134	38	12	15	11	17	9	15	348
120	157	422	290	220	815	438	323	151	167	2,984
130	24	38	30	42	99	79	216	81	66	676
140	103	348	248	148	312	98	140	95	105	1,596
300	65	121	62	59	202	94	267	168	174	1,211
400	34	64	40	56	149	69	100	53	44	609
All	481	1,127	708	537	1,591	789	1,063	556	571	7,423

Col.	b	c	d	e	f	g	h	i	j	k
Energy cost	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK million/year	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	5.7	7.7	2.2	0.7	0.8	0.7	1.0	0.5	0.9	20
120	9.1	24.4	16.8	12.8	47.1	25.3	18.7	8.7	9.7	173
130	1.4	2.2	1.7	2.4	5.7	4.6	12.5	4.7	3.8	39
140	6.0	20.1	14.3	8.5	18.0	5.7	8.1	5.5	6.1	92
300	3.8	7.0	3.6	3.4	11.7	5.4	15.4	9.7	10.1	70
400	2.0	3.7	2.3	3.2	8.6	4.0	5.8	3.0	2.5	35
All	28	65	41	31	92	46	61	32	33	429

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	2.64	2.65	2.66	2.67	2.60	2.54	2.49	2.54	2.50	2.63
120	2.62	2.66	2.68	2.67	2.58	2.53	2.48	2.48	2.53	2.58
130	2.66	2.70	2.72	2.68	2.60	2.55	2.48	2.48	2.52	2.55
140	2.63	2.65	2.64	2.63	2.61	2.60	2.50	2.48	2.49	2.60
300	2.61	2.61	2.60	2.62	2.59	2.57	2.50	2.52	2.55	2.56
400	2.62	2.61	2.60	2.61	2.58	2.56	2.48	2.47	2.53	2.56
All	2.63	2.65	2.66	2.65	2.59	2.54	2.49	2.49	2.53	2.58

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.15	0.14	0.15
120	0.15	0.15	0.16	0.15	0.15	0.15	0.14	0.14	0.15	0.15
130	0.15	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.15	0.15
140	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.15
300	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.15	0.15	0.15
400	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.15	0.15
All	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.15	0.15

To:	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4
From:	Pkt_3	Pkt_3	Pkt_3	Pkt_3	Pkt_3	Pkt_3	Pkt_3	Pkt_3	Pkt_3	Pkt_3
Col.	p	q	r	s	t	u	v	w	x	y
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.005	0.006	0.001	0.000	0.001	0.001	0.001	0.000	0.000	0.016
110DT2	0.024	0.032	0.009	0.003	0.005	0.003	0.000			0.075
110DT3	0.025	0.031	0.007	0.003	0.001					0.066
120DT1	0.011	0.013	0.005	0.003	0.046	0.051	0.017	0.001	0.000	0.148
120DT2	0.040	0.101	0.065	0.057	0.209	0.073	0.007			0.553
120DT3	0.027	0.080	0.050	0.031						0.204
130DT1	0.001	0.001	0.000	0.000	0.004	0.008	0.009	0.000	0.000	0.025
130DT2	0.004	0.007	0.005	0.007	0.021	0.013				0.059
130DT3	0.005	0.009	0.005	0.005	0.003					0.028
140pDT1	0.000			0.001	0.002	0.001	0.002	0.000	0.000	0.009
140pDT2	0.004	0.012	0.009	0.005	0.023	0.008	0.002			0.063
140pDT3	0.015	0.064	0.043	0.011	0.011	0.002				0.147
300pDT1	0.001	0.001	0.001	0.001	0.013	0.009	0.015	0.004	0.002	0.045
300pDT2	0.004	0.009	0.005	0.010	0.051	0.033	0.014	0.001		0.128
300pDT3	0.011	0.022	0.011	0.008	0.014					0.070
400pDT1	0.000	0.001	0.001	0.001	0.008	0.006	0.006	0.001	0.000	0.025
400pDT2	0.004	0.008	0.005	0.012	0.038	0.014	0.003			0.085
400pDT3	0.006	0.011	0.006	0.004	0.005					0.033
All	0.187	0.409	0.229	0.163	0.470	0.230	0.081	0.007	0.004	1.780

Col.	b	c	d	e	f	g	h	i	j	k
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
kWh/m²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	2.78	2.56	2.64	2.24	3.14	3.99	1.20	0.37	0.25	2.17
110DT2	8.26	7.69	6.99	7.55	8.98	10.27	5.26			7.89
110DT3	13.96	13.16	11.64	12.68	12.77					13.21
120DT1	2.98	2.65	2.32	2.36	3.30	3.74	1.04	0.12	0.005	2.05
120DT2	8.22	7.34	6.48	7.24	8.19	8.63	5.85			7.69
120DT3	13.17	11.20	10.47	11.37						11.23
130DT1	2.74	2.36	2.55	1.71	2.50	4.12	0.74	0.10	0.08	1.01
130DT2	6.46	6.57	5.15	4.95	7.85	7.82				6.64
130DT3	9.53	9.58	7.14	10.25	6.44					8.44
140pDT1	0.54			0.84	0.65	0.70	0.33	0.05	0.07	0.38
140pDT2	1.94	2.44	2.74	1.67	2.34	2.80	1.52			2.29
140pDT3	3.77	4.14	3.67	2.31	3.16	4.07				3.66
300pDT1	0.83	0.94	1.07	1.70	2.91	2.96	0.91	0.39	0.18	1.00
300pDT2	2.48	2.69	3.36	4.82	6.13	7.65	3.75	1.07		4.89
300pDT3	4.84	5.16	5.56	6.52	7.39					5.55
400pDT1	1.69	2.10	2.37	2.08	3.19	2.72	1.00	0.28	0.07	1.43
400pDT2	2.91	3.79	3.84	4.89	6.63	6.83	4.45			5.31
400pDT3	6.03	6.09	6.66	7.17	7.04					6.50
All	5.82	5.69	5.27	5.26	5.42	5.22	1.20	0.24	0.13	4.08

Col. Energy invest. DKK/m ²	b p1 -1890	c p2 1890-1929	d p3 1930-1949	e p4 1950-1959	f p5 1960-1972	g p6 1973-1978	h p7 1979-1998	i p8 1999-2006	j p9 2007-2016	k pS Total
110DT1	16	16	15	15	19	26	10	2	1	13
110DT2	38	37	34	37	41	49	35			37
110DT3	55	53	49	51	55					53
120DT1	18	15	13	13	18	24	9	1	0	13
120DT2	39	35	31	34	38	43	34			36
120DT3	53	46	43	47						47
130DT1	15	15	12	8	11	22	8	1	1	7
130DT2	32	31	24	23	28	33				28
130DT3	41	40	32	40	27					36
140pDT1	4			5	4	4	3	0	1	3
140pDT2	9	12	12	8	9	10	11			10
140pDT3	15	16	15	11	11	12				14
300pDT1	6	5	5	5	8	11	5	3	1	4
300pDT2	11	12	12	15	15	19	11	6		14
300pDT3	18	18	18	18	16					17
400pDT1	8	10	11	10	11	10	6	1	0	6
400pDT2	15	17	15	20	20	20	18			19
400pDT3	24	23	23	29	22					23
All	26	25	23	23	22	24	8	2	1	18

Col. Energy invest. DKK million	p p1 -1890	q p2 1890-1929	r p3 1930-1949	s p4 1950-1959	t p5 1960-1972	u p6 1973-1978	v p7 1979-1998	w p8 1999-2006	x p9 2007-2016	y pS Total
110DT1	31.3	34.0	7.6	1.8	4.3	8.9	9.0	1.1	1.0	98.9
110DT2	108.9	152.0	42.2	15.3	23.3	13.9	2.7			358.3
110DT3	98.4	123.0	31.5	10.8	3.4					267.8
120DT1	63.0	77.0	26.7	18.8	244.0	325.6	151.5	7.1	3.2	916.9
120DT2	191.1	475.5	307.5	265.4	961.3	366.1	40.6			2,609.2
120DT3	108.8	330.3	207.9	128.2						845.3
130DT1	5.9	6.2	1.7	1.9	20.0	43.4	94.3	3.3	2.0	178.7
130DT2	20.8	33.6	22.9	33.0	75.1	55.6				253.1
130DT3	19.7	38.2	22.0	21.4	13.5					119.4
140pDT1	1.4			4.5	12.5	8.0	24.9	1.7	2.4	65.2
140pDT2	18.0	57.9	39.2	23.4	89.4	30.5	17.1			275.7
140pDT3	59.8	244.6	174.1	50.5	39.8	5.3				574.7
300pDT1	3.9	6.2	4.2	2.9	36.2	32.4	75.4	24.8	11.7	197.7
300pDT2	18.8	40.7	18.2	30.5	122.4	83.9	42.6	4.5		365.1
300pDT3	41.5	76.7	33.3	23.1	30.2					215.7
400pDT1	2.1	5.2	5.1	5.6	27.4	22.5	32.9	2.8	0.6	104.2
400pDT2	19.7	39.1	21.5	49.8	117.0	40.6	12.0			300.2
400pDT3	24.9	40.9	19.0	15.3	14.5					119.7
All	838.0	1,786.2	989.1	702.2	1,900.0	1,056.2	521.1	46.8	26.2	7,865.9

Col. Energy cost DKK million/year	p p1 -1890	q p2 1890-1929	r p3 1930-1949	s p4 1950-1959	t p5 1960-1972	u p6 1973-1978	v p7 1979-1998	w p8 1999-2006	x p9 2007-2016	y pS Total
110DT1	1.6	1.7	0.4	0.1	0.2	0.4	0.5	0.1	0.0	5.0
110DT2	5.5	7.7	2.1	0.8	1.2	0.7	0.1			18.1
110DT3	5.0	6.2	1.6	0.5	0.2					13.5
120DT1	3.2	3.9	1.4	0.9	12.3	16.4	7.7	0.4	0.2	46.3
120DT2	9.7	24.0	15.5	13.4	48.6	18.5	2.0			131.8
120DT3	5.5	16.7	10.5	6.5						42.7
130DT1	0.3	0.3	0.1	0.1	1.0	2.2	4.8	0.2	0.1	9.0
130DT2	1.1	1.7	1.2	1.7	3.8	2.8				12.8
130DT3	1.0	1.9	1.1	1.1	0.7					6.0
140pDT1	0.1			0.2	0.6	0.4	1.3	0.1	0.1	3.3
140pDT2	0.9	2.9	2.0	1.2	4.5	1.5	0.9			13.9
140pDT3	3.0	12.4	8.8	2.5	2.0	0.3				29.0
300pDT1	0.2	0.3	0.2	0.1	1.8	1.6	3.8	1.3	0.6	10.0
300pDT2	1.0	2.1	0.9	1.5	6.2	4.2	2.2	0.2		18.4
300pDT3	2.1	3.9	1.7	1.2	1.5					10.9
400pDT1	0.1	0.3	0.3	0.3	1.4	1.1	1.7	0.1	0.0	5.3
400pDT2	1.0	2.0	1.1	2.5	5.9	2.1	0.6			15.2
400pDT3	1.3	2.1	1.0	0.8	0.7					6.0
All	42.3	90.2	50.0	35.5	96.0	53.4	26.3	2.4	1.3	397.4

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	5.87	6.06	5.78	6.70	5.95	6.54	8.47	6.36	5.47	6.18
110DT2	4.63	4.79	4.89	4.86	4.57	4.73	6.59			4.75
110DT3	3.97	4.01	4.22	4.01	4.30					4.03
120DT1	6.00	5.72	5.69	5.54	5.31	6.37	8.67	7.70	7.41	6.20
120DT2	4.74	4.72	4.73	4.66	4.59	4.99	5.82			4.72
120DT3	4.06	4.13	4.15	4.16						4.15
130DT1	5.50	6.33	4.65	4.56	4.51	5.39	10.26	8.03	7.57	7.09
130DT2	4.89	4.75	4.62	4.63	3.63	4.23				4.27
130DT3	4.29	4.22	4.48	3.91	4.25					4.24
140pDT1	6.46			6.47	6.13	6.13	10.07	7.28	7.04	6.91
140pDT2	4.86	4.74	4.54	4.81	3.90	3.61	7.53			4.37
140pDT3	3.98	3.81	4.04	4.57	3.50	2.91				3.92
300pDT1	7.79	5.77	4.82	2.77	2.77	3.70	5.08	7.08	6.74	4.35
300pDT2	4.43	4.35	3.58	3.15	2.38	2.55	3.06	5.71		2.86
300pDT3	3.64	3.55	3.15	2.81	2.20					3.07
400pDT1	4.93	4.83	4.72	4.83	3.36	3.82	5.58	4.05	3.89	4.25
400pDT2	5.23	4.60	3.99	4.16	3.08	2.90	3.94			3.54
400pDT3	4.05	3.71	3.44	4.00	3.07					3.60
All	4.49	4.37	4.32	4.31	4.04	4.59	6.39	6.66	6.52	4.42

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.30	0.31	0.29	0.34	0.30	0.33	0.43	0.32	0.28	0.31
110DT2	0.23	0.24	0.25	0.25	0.23	0.24	0.33			0.24
110DT3	0.20	0.20	0.21	0.20	0.22					0.20
120DT1	0.30	0.29	0.29	0.28	0.27	0.32	0.44	0.39	0.37	0.31
120DT2	0.24	0.24	0.24	0.24	0.23	0.25	0.29			0.24
120DT3	0.20	0.21	0.21	0.21						0.21
130DT1	0.28	0.32	0.23	0.23	0.23	0.27	0.52	0.41	0.38	0.36
130DT2	0.25	0.24	0.23	0.23	0.18	0.21				0.22
130DT3	0.22	0.21	0.23	0.20	0.21					0.21
140pDT1	0.33			0.33	0.31	0.31	0.51	0.37	0.36	0.35
140pDT2	0.25	0.24	0.23	0.24	0.20	0.18	0.38			0.22
140pDT3	0.20	0.19	0.20	0.23	0.18	0.15				0.20
300pDT1	0.39	0.29	0.24	0.14	0.14	0.19	0.26	0.36	0.34	0.22
300pDT2	0.22	0.22	0.18	0.16	0.12	0.13	0.15	0.29		0.14
300pDT3	0.18	0.18	0.16	0.14	0.11					0.16
400pDT1	0.25	0.24	0.24	0.24	0.17	0.19	0.28	0.20	0.20	0.21
400pDT2	0.26	0.23	0.20	0.21	0.16	0.15	0.20			0.18
400pDT3	0.20	0.19	0.17	0.20	0.16					0.18
All	0.23	0.22	0.22	0.22	0.20	0.23	0.32	0.34	0.33	0.22

Col.	p	q	r	s	t	u	v	w	x	y
Saving TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.054	0.068	0.017	0.006	0.007	0.004	0.001	0.000	0.000	0.158
120	0.078	0.194	0.120	0.091	0.270	0.125	0.025	0.001	0.001	0.905
130	0.010	0.017	0.010	0.013	0.028	0.022	0.011	0.000	0.000	0.113
140	0.019	0.077	0.053	0.017	0.036	0.012	0.005	0.000	0.000	0.219
300	0.016	0.032	0.017	0.019	0.078	0.045	0.030	0.004	0.002	0.243
400	0.010	0.021	0.012	0.017	0.051	0.022	0.009	0.001	0.000	0.143
All	0.187	0.409	0.229	0.163	0.470	0.230	0.081	0.007	0.004	1,780

Col.	b	c	d	e	f	g	h	i	j	k
Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	8.2	7.9	7.3	8.2	7.7	6.9	1.5	0.4	0.2	7.2
120	7.4	7.5	7.1	7.6	6.6	5.6	1.4	0.1	0.1	5.6
130	6.5	7.0	5.7	5.9	5.8	5.9	0.9	0.1	0.1	3.0
140	3.0	3.6	3.4	1.9	2.2	2.2	0.5	0.1	0.1	2.4
300	3.5	3.6	3.9	4.9	5.3	5.9	1.5	0.4	0.2	2.9
400	4.0	4.5	4.5	4.8	5.7	4.9	1.4	0.3	0.1	3.7
All	5.8	5.7	5.3	5.3	5.4	5.2	1.2	0.2	0.1	4.1

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest. DKK/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	36	36	34	37	36	36	12	2	1	33
120	35	34	32	34	31	31	11	1	1	27
130	30	32	26	25	22	27	8	1	1	15
140	13	14	14	9	9	8	5	0	0	10
300	14	14	13	15	13	16	6	3	1	9
400	18	19	17	20	18	15	7	1	0	14
All	26	25	23	23	22	24	8	2	1	18

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	239	309	81	28	31	23	12	1	1	725
120	363	883	542	412	1,271	695	193	8	4	4,371
130	46	78	47	56	109	103	107	3	2	551
140	79	308	218	78	142	44	43	2	2	916
300	64	124	56	56	189	124	121	30	15	778
400	47	85	46	71	159	68	46	3	1	524
All	838	1,786	989	702	1,900	1,056	521	47	26	7,866

Col.	b	c	d	e	f	g	h	i	j	k
Energy cost DKK million/year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	12.1	15.6	4.1	1.4	1.6	1.2	0.6	0.1	0.0	37
120	18.3	44.6	27.4	20.8	64.2	35.1	9.8	0.4	0.2	221
130	2.3	3.9	2.4	2.8	5.5	5.2	5.4	0.2	0.1	28
140	4.0	15.5	11.0	4.0	7.2	2.2	2.2	0.1	0.1	46
300	3.2	6.2	2.8	2.9	9.5	6.3	6.1	1.5	0.8	39
400	2.4	4.3	2.3	3.6	8.0	3.4	2.3	0.1	0.1	26
All	42	90	50	35	96	53	26	2	1	397

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	4.45	4.54	4.67	4.57	4.69	5.30	8.10	7.32	5.47	4.59
120	4.67	4.55	4.53	4.52	4.70	5.55	7.82	7.27	6.34	4.83
130	4.68	4.56	4.56	4.33	3.83	4.67	9.47	7.84	7.56	4.89
140	4.18	3.98	4.12	4.72	3.90	3.78	8.70	7.13	7.04	4.18
300	3.98	3.86	3.37	2.98	2.42	2.75	4.02	6.78	6.89	3.20
400	4.52	4.14	3.80	4.17	3.12	3.11	5.01	4.00	3.42	3.68
All	4.49	4.37	4.32	4.31	4.04	4.59	6.39	6.66	6.52	4.42

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.22	0.23	0.24	0.23	0.24	0.27	0.41	0.37	0.28	0.23
120	0.24	0.23	0.23	0.23	0.24	0.28	0.40	0.37	0.32	0.24
130	0.24	0.23	0.23	0.22	0.19	0.24	0.48	0.40	0.38	0.25
140	0.21	0.20	0.21	0.24	0.20	0.19	0.44	0.36	0.36	0.21
300	0.20	0.19	0.17	0.15	0.12	0.14	0.20	0.34	0.35	0.16
400	0.23	0.21	0.19	0.21	0.16	0.16	0.25	0.20	0.17	0.19
All	0.23	0.22	0.22	0.22	0.20	0.23	0.32	0.34	0.33	0.22

To:	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5
From:	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4	Pkt_4
Col.	p	q	r	s	t	u	v	w	x	y
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.007	0.007	0.002	0.000	0.001	0.001	0.003	0.001	0.001	0.023
110DT2	0.017	0.021	0.006	0.002	0.003	0.001	0.000			0.050
110DT3	0.019	0.017	0.003	0.001	0.000					0.041
120DT1	0.013	0.017	0.006	0.005	0.058	0.057	0.062	0.010	0.004	0.231
120DT2	0.030	0.069	0.052	0.045	0.145	0.044	0.006			0.391
120DT3	0.024	0.050	0.031	0.020						0.135
130DT1	0.001	0.001	0.000	0.001	0.007	0.007	0.050	0.009	0.002	0.079
130DT2	0.004	0.006	0.006	0.009	0.016	0.009				0.050
130DT3	0.004	0.008	0.005	0.004	0.003					0.024
140pDT1	0.000			0.001	0.004	0.003	0.014	0.003	0.002	0.031
140pDT2	0.004	0.010	0.006	0.006	0.021	0.008	0.004			0.058
140pDT3	0.011	0.043	0.036	0.012	0.013	0.002				0.119
300pDT1	0.001	0.002	0.002	0.002	0.012	0.009	0.034	0.011	0.010	0.083
300pDT2	0.004	0.010	0.004	0.006	0.030	0.017	0.011	0.002		0.086
300pDT3	0.010	0.016	0.009	0.006	0.009					0.054
400pDT1	0.001	0.002	0.001	0.001	0.008	0.005	0.017	0.003	0.001	0.040
400pDT2	0.005	0.008	0.005	0.011	0.026	0.009	0.003			0.066
400pDT3	0.004	0.007	0.004	0.004	0.003					0.024
All	0.159	0.295	0.180	0.135	0.370	0.176	0.208	0.039	0.021	1.585
Col.	b	c	d	e	f	g	h	i	j	k
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
kWh/m²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	3.48	3.40	3.27	3.09	3.63	3.70	3.76	1.86	0.70	3.11
110DT2	6.04	4.99	4.53	4.67	5.02	4.64	4.36			5.21
110DT3	10.84	7.11	5.19	5.40	6.37					8.09
120DT1	3.65	3.27	3.07	3.31	4.16	4.15	3.71	1.32	0.43	3.20
120DT2	6.12	5.06	5.20	5.66	5.68	5.16	4.83			5.44
120DT3	12.01	7.01	6.51	7.24						7.45
130DT1	3.02	3.00	3.12	3.36	3.66	3.73	4.02	2.13	0.74	3.17
130DT2	5.89	5.37	5.75	6.17	5.90	5.14				5.65
130DT3	9.23	8.03	7.21	6.62	6.70					7.33
140pDT1	1.22			1.60	1.34	1.53	1.89	0.71	0.37	1.26
140pDT2	1.86	1.92	1.86	1.89	2.18	2.60	2.38			2.09
140pDT3	2.75	2.80	3.07	2.58	3.74	5.26				2.96
300pDT1	1.67	2.13	1.95	3.35	2.72	3.02	2.09	1.18	1.06	1.82
300pDT2	2.51	2.74	2.92	3.16	3.62	4.02	3.02	2.30		3.28
300pDT3	4.04	3.85	4.81	4.62	5.06					4.23
400pDT1	3.22	2.93	3.02	2.58	3.19	2.45	2.87	1.34	0.54	2.33
400pDT2	3.59	3.53	3.68	4.33	4.48	4.46	4.22			4.15
400pDT3	4.08	4.14	5.01	6.74	5.20					4.69
All	4.97	4.10	4.15	4.35	4.26	4.01	3.07	1.34	0.71	3.63

Col.	b	c	d	e	f	g	h	i	j	K
Energy invest. DKK/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	63	61	60	57	65	61	80	43	14	58
110DT2	80	69	65	64	73	66	75			72
110DT3	107	80	65	68	78					87
120DT1	65	57	52	55	71	74	81	31	10	61
120DT2	79	65	63	72	82	80	87			75
120DT3	114	75	70	80						80
130DT1	53	49	50	53	54	54	89	50	16	66
130DT2	67	63	66	83	73	67				72
130DT3	89	79	79	79	90					81
140pDT1	22			26	20	20	41	15	7	24
140pDT2	25	25	23	27	26	29	41			27
140pDT3	27	28	31	32	37	46				30
300pDT1	30	31	32	40	37	41	35	19	18	29
300pDT2	37	36	37	39	46	52	46	37		43
300pDT3	42	39	46	46	52					44
400pDT1	44	41	40	41	43	34	53	26	9	38
400pDT2	51	45	48	57	56	56	67			54
400pDT3	46	48	56	70	59					53
All	61	50	48	55	60	61	62	27	13	52

Col.	p	q	r	s	t	u	v	w	x	y
Energy invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	121.3	134.3	29.9	6.8	14.8	20.9	71.0	19.4	10.5	428.9
110DT2	227.3	286.1	80.9	26.6	41.5	18.8	5.8			688.1
110DT3	189.1	185.4	41.9	14.4	4.9					436.2
120DT1	228.2	289.7	104.4	78.9	994.2	1,007.8	1,361.5	229.1	79.2	4,373.0
120DT2	385.6	887.6	635.5	563.4	2,106.5	679.0	103.2			5,364.6
120DT3	231.6	536.7	334.2	217.5						1,451.1
130DT1	20.6	20.1	7.1	13.0	95.9	105.3	1,112.3	207.4	53.5	1,635.3
130DT2	44.3	67.9	63.1	119.6	192.1	112.8				639.3
130DT3	43.1	74.5	54.0	42.1	44.4					270.3
140pDT1	8.4			22.1	64.5	37.2	310.4	66.0	34.6	582.8
140pDT2	47.6	125.6	73.8	79.4	256.2	88.5	61.2			736.7
140pDT3	106.9	428.2	362.9	153.1	132.7	20.7				1,206.2
300pDT1	18.0	34.9	25.6	24.8	167.1	119.8	576.4	165.8	178.6	1,311.0
300pDT2	63.8	124.4	56.6	77.3	384.4	222.1	172.1	26.7		1,136.9
300pDT3	99.8	165.4	87.2	58.5	96.4					551.2
400pDT1	11.2	21.1	18.3	23.1	110.5	73.9	313.9	64.6	20.1	656.7
400pDT2	66.1	101.1	67.8	140.8	321.0	114.2	46.2			862.4
400pDT3	47.1	87.4	46.5	37.5	39.9					271.9
All	1,960.0	3,592.9	2,106.8	1,699.0	5,190.1	2,666.2	4,194.7	794.1	398.8	22,602.7

Col.	p	q	r	s	t	u	v	w	x	Y
Energy cost DKK million/year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	6.1	6.7	1.5	0.3	0.7	1.0	3.6	1.0	0.5	21.5
110DT2	11.1	14.1	4.0	1.3	2.0	0.9	0.3			33.8
110DT3	8.9	8.9	2.0	0.7	0.2					20.8
120DT1	11.4	14.5	5.2	3.9	49.3	50.2	68.4	11.6	4.0	218.6
120DT2	18.8	43.6	31.1	27.5	103.0	33.3	5.1			262.6
120DT3	10.9	25.7	16.1	10.4						69.5
130DT1	1.0	1.0	0.4	0.6	4.7	5.2	55.9	10.5	2.7	82.0
130DT2	2.1	3.3	3.1	5.8	9.4	5.5				31.2
130DT3	2.0	3.6	2.6	2.0	2.2					13.0
140pDT1	0.4			1.1	3.2	1.8	15.6	3.3	1.7	29.2
140pDT2	2.3	6.2	3.6	3.9	12.6	4.4	3.0			36.4
140pDT3	5.1	20.7	17.5	7.5	6.4	1.0				58.4
300pDT1	0.9	1.7	1.3	1.2	8.2	5.9	28.7	8.3	8.9	65.1
300pDT2	3.1	6.1	2.7	3.7	18.6	10.8	8.4	1.3		55.2
300pDT3	4.7	7.9	4.1	2.8	4.6					26.3
400pDT1	0.6	1.0	0.9	1.1	5.4	3.6	15.7	3.3	1.0	32.6
400pDT2	3.2	4.9	3.3	6.8	15.6	5.6	2.3			41.9
400pDT3	2.3	4.2	2.2	1.8	1.9					13.1
All	95.2	175.3	102.6	82.8	254.2	131.4	210.0	39.9	19.9	1,111.4

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	18.13	18.05	18.34	18.41	17.84	16.60	21.37	23.16	20.37	18.73
110DT2	13.22	13.90	14.46	13.66	14.58	14.19	17.25			13.80
110DT3	9.83	11.18	12.57	12.52	12.24					10.71
120DT1	17.71	17.43	16.77	16.60	17.16	17.76	21.88	23.23	22.36	18.95
120DT2	12.84	12.77	12.17	12.66	14.51	15.47	17.96			13.71
120DT3	9.47	10.73	10.72	11.07						10.73
130DT1	17.54	16.28	15.95	15.81	14.73	14.44	22.20	23.65	21.48	20.74
130DT2	11.41	11.74	11.42	13.49	12.36	13.07				12.68
130DT3	9.69	9.82	10.91	11.88	13.42					11.05
140pDT1	17.96			16.51	15.26	12.99	21.60	21.37	19.68	18.83
140pDT2	13.46	13.08	12.56	14.40	11.99	11.27	17.09			12.78
140pDT3	9.76	9.87	10.05	12.44	9.85	8.71				10.16
300pDT1	17.87	14.35	16.27	12.04	13.67	13.44	16.95	15.67	17.25	15.77
300pDT2	14.83	13.08	12.79	12.22	12.69	12.84	15.31	15.88		13.25
300pDT3	10.48	10.23	9.54	10.06	10.28					10.29
400pDT1	13.75	13.98	13.39	15.94	13.55	13.92	18.57	19.67	16.08	16.40
400pDT2	14.21	12.76	13.14	13.27	12.52	12.48	15.97			13.01
400pDT3	11.37	11.68	11.19	10.41	11.41					11.35
All	12.30	12.19	11.69	12.62	14.02	15.11	20.12	20.43	18.57	14.26

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.91	0.91	0.92	0.93	0.89	0.83	1.07	1.17	1.03	0.94
110DT2	0.65	0.68	0.72	0.67	0.72	0.70	0.85			0.68
110DT3	0.46	0.54	0.61	0.61	0.59					0.51
120DT1	0.89	0.87	0.84	0.83	0.85	0.88	1.10	1.17	1.13	0.95
120DT2	0.63	0.63	0.60	0.62	0.71	0.76	0.89			0.67
120DT3	0.44	0.51	0.52	0.53						0.51
130DT1	0.88	0.81	0.79	0.78	0.73	0.72	1.11	1.19	1.08	1.04
130DT2	0.55	0.57	0.55	0.66	0.60	0.64				0.62
130DT3	0.46	0.47	0.52	0.58	0.66					0.53
140pDT1	0.90			0.82	0.76	0.64	1.09	1.08	0.99	0.94
140pDT2	0.66	0.64	0.62	0.71	0.59	0.56	0.85			0.63
140pDT3	0.47	0.48	0.49	0.61	0.48	0.42				0.49
300pDT1	0.90	0.71	0.81	0.58	0.67	0.66	0.85	0.79	0.86	0.78
300pDT2	0.72	0.64	0.62	0.59	0.61	0.62	0.75	0.77		0.64
300pDT3	0.50	0.49	0.45	0.48	0.49					0.49
400pDT1	0.68	0.69	0.65	0.78	0.66	0.68	0.93	0.99	0.80	0.81
400pDT2	0.69	0.62	0.64	0.64	0.61	0.61	0.78			0.63
400pDT3	0.55	0.56	0.54	0.50	0.55					0.55
All	0.60	0.59	0.57	0.61	0.69	0.74	1.01	1.03	0.93	0.70

Col.	p	q	r	s	t	u	v	w	x	y
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.043	0.045	0.011	0.003	0.004	0.003	0.004	0.001	0.001	0.113
120	0.067	0.136	0.090	0.069	0.212	0.101	0.068	0.010	0.004	0.757
130	0.009	0.015	0.011	0.013	0.025	0.016	0.052	0.009	0.002	0.154
140	0.015	0.054	0.043	0.019	0.039	0.013	0.018	0.003	0.002	0.207
300	0.015	0.028	0.015	0.014	0.052	0.028	0.046	0.012	0.012	0.223
400	0.010	0.017	0.011	0.016	0.037	0.015	0.020	0.004	0.001	0.130
All	0.159	0.295	0.180	0.135	0.370	0.176	0.208	0.039	0.021	1,585

Col.	b	c	d	e	f	g	h	i	j	K
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
kWh/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	6.6	5.2	4.4	4.6	4.7	4.1	3.8	1.8	0.7	5.2
120	6.4	5.2	5.3	5.7	5.2	4.5	3.8	1.3	0.4	4.7
130	6.2	6.0	6.1	6.0	5.2	4.3	4.0	2.1	0.7	4.1
140	2.4	2.5	2.8	2.2	2.4	2.4	2.0	0.7	0.4	2.2
300	3.2	3.2	3.6	3.7	3.5	3.7	2.3	1.3	1.1	2.6
400	3.7	3.7	4.0	4.4	4.2	3.5	3.0	1.4	0.6	3.4
All	5.0	4.1	4.1	4.4	4.3	4.0	3.1	1.3	0.7	3.6

Col.	b	c	d	e	f	g	h	i	j	K
Energy invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	82	70	64	64	71	63	80	44	14	71
120	81	66	64	72	79	76	82	31	10	69
130	71	67	69	79	68	60	89	50	16	69
140	26	27	29	30	27	27	41	15	7	27
300	39	37	40	41	44	47	38	20	19	36
400	49	46	49	57	53	45	55	27	9	47
All	61	50	48	55	60	61	62	27	13	52

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK million	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	538	606	153	48	61	40	77	21	11	1,553
120	845	1,714	1,074	860	3,224	1,692	1,466	232	82	11,189
130	108	163	124	175	333	226	1,155	209	54	2,545
140	163	576	454	255	453	146	373	69	36	2,526
300	182	325	169	161	648	362	761	195	197	2,999
400	124	210	133	201	471	200	362	69	21	1,791
All	1,960	3,593	2,107	1,699	5,190	2,666	4,195	794	399	22,603

Col.	b	c	d	e	f	g	h	i	J	k
Energy cost	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK million/year	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	26.1	29.7	7.6	2.4	3.0	2.0	3.9	1.0	0.5	76
120	41.1	83.8	52.4	41.9	158.3	83.8	73.6	11.7	4.1	551
130	5.2	7.9	6.0	8.5	16.3	11.1	58.0	10.5	2.7	126
140	7.9	28.0	22.0	12.5	22.3	7.2	18.7	3.5	1.8	124
300	8.8	15.7	8.1	7.7	31.4	17.6	37.8	9.7	9.8	147
400	6.0	10.2	6.4	9.7	22.9	9.7	18.1	3.5	1.0	88
All	95	175	103	83	254	131	210	40	20	1,111

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	12.47	13.58	14.46	13.79	15.01	15.36	21.07	24.15	20.37	13.69
120	12.55	12.59	11.99	12.48	15.17	16.75	21.54	23.15	22.33	14.78
130	11.37	11.13	11.38	13.21	13.11	13.81	22.01	23.67	21.53	16.55
140	10.89	10.59	10.46	13.29	11.61	11.19	20.66	21.09	19.26	12.18
300	12.24	11.55	11.19	11.31	12.49	12.93	16.45	15.70	16.88	13.48
400	12.94	12.39	12.42	12.86	12.64	12.96	18.17	19.69	15.87	13.74
All	12.30	12.19	11.69	12.62	14.02	15.11	20.12	20.43	18.57	14.26

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.61	0.67	0.72	0.68	0.74	0.76	1.06	1.22	1.03	0.67
120	0.61	0.62	0.58	0.61	0.74	0.83	1.08	1.17	1.13	0.73
130	0.55	0.54	0.55	0.64	0.64	0.68	1.11	1.19	1.09	0.82
140	0.53	0.51	0.51	0.65	0.57	0.55	1.04	1.06	0.97	0.60
300	0.59	0.56	0.54	0.54	0.61	0.63	0.82	0.78	0.84	0.66
400	0.63	0.60	0.60	0.62	0.61	0.63	0.91	0.99	0.79	0.67
All	0.60	0.59	0.57	0.61	0.69	0.74	1.01	1.03	0.93	0.70

To:	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6
From:	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5	Pkt_5
Col.	p	q	r	s	t	u	v	w	x	y
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.006	0.007	0.002	0.000	0.001	0.001	0.003	0.001	0.000	0.021
110DT2	0.011	0.015	0.004	0.001	0.002	0.001	0.000			0.036
110DT3	0.007	0.009	0.002	0.001	0.000					0.019
120DT1	0.012	0.015	0.005	0.004	0.049	0.053	0.061	0.010	0.003	0.212
120DT2	0.019	0.047	0.032	0.028	0.109	0.037	0.005			0.278
120DT3	0.008	0.024	0.015	0.010						0.064
130DT1	0.001	0.001	0.000	0.001	0.005	0.006	0.049	0.009	0.002	0.073
130DT2	0.002	0.003	0.003	0.005	0.010	0.006				0.031
130DT3	0.002	0.003	0.002	0.002	0.002					0.011
140pDT1	0.000			0.001	0.003	0.002	0.014	0.003	0.002	0.026
140pDT2	0.002	0.006	0.004	0.004	0.012	0.004	0.003			0.035
140pDT3	0.005	0.021	0.016	0.006	0.005	0.001				0.054
300pDT1	0.001	0.002	0.001	0.001	0.010	0.008	0.032	0.010	0.010	0.075
300pDT2	0.003	0.006	0.003	0.004	0.022	0.014	0.009	0.001		0.063
300pDT3	0.004	0.008	0.004	0.003	0.005					0.026
400pDT1	0.000	0.001	0.001	0.001	0.006	0.004	0.015	0.003	0.001	0.033
400pDT2	0.003	0.005	0.003	0.007	0.017	0.007	0.002			0.044
400pDT3	0.002	0.004	0.002	0.002	0.002					0.013
All	0.089	0.177	0.100	0.081	0.267	0.146	0.196	0.037	0.020	1.114

Col.	b	c	d	e	f	g	h	i	j	k
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
kWh/m²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	3.16	3.09	3.05	2.91	3.27	3.49	3.65	1.86	0.63	2.87
110DT2	3.95	3.74	3.60	3.59	4.06	4.13	4.00			3.81
110DT3	3.99	3.80	3.62	3.72	4.01					3.84
120DT1	3.29	2.89	2.56	2.68	3.55	3.87	3.64	1.28	0.41	2.93
120DT2	3.92	3.43	3.16	3.60	4.28	4.38	4.36			3.87
120DT3	3.90	3.42	3.24	3.66						3.52
130DT1	2.74	2.53	2.38	2.33	2.63	3.20	3.90	2.09	0.68	2.95
130DT2	3.14	3.12	2.79	3.50	3.77	3.51				3.45
130DT3	3.15	3.06	2.93	3.53	3.90					3.22
140pDT1	1.01			1.23	0.95	0.94	1.79	0.66	0.35	1.06
140pDT2	1.18	1.26	1.24	1.22	1.23	1.37	1.88			1.28
140pDT3	1.27	1.33	1.36	1.35	1.40	1.46				1.34
300pDT1	1.48	1.37	1.65	1.70	2.25	2.61	1.95	1.13	1.03	1.64
300pDT2	1.66	1.67	1.83	2.04	2.63	3.19	2.50	1.96		2.39
300pDT3	1.81	1.84	1.98	2.20	2.69					2.05
400pDT1	1.86	1.90	2.02	1.96	2.30	1.97	2.59	1.25	0.44	1.92
400pDT2	2.21	2.08	2.19	2.82	2.98	3.26	3.33			2.74
400pDT3	2.27	2.34	2.64	3.26	2.99					2.60
All	2.78	2.47	2.31	2.62	3.07	3.32	2.89	1.28	0.67	2.55

Col.	b	c	d	e	f	g	h	i	j	K
Energy invest. DKK/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	63	61	60	58	67	71	73	36	12	57
110DT2	87	81	78	78	91	93	89			83
110DT3	98	92	87	90	98					94
120DT1	86	57	51	54	73	80	73	25	8	59
120DT2	87	74	68	79	96	99	98			86
120DT3	96	82	77	89						85
130DT1	54	50	48	48	54	65	78	41	33	59
130DT2	69	67	61	78	85	80				77
130DT3	77	74	70	85	97					79
140pDT1	20			24	19	19	36	13	7	21
140pDT2	26	27	26	26	27	30	41			28
140pDT3	28	29	29	29	31	32				29
300pDT1	29	28	34	35	48	54	40	23	21	34
300pDT2	38	37	41	47	61	74	57	46		55
300pDT3	42	41	45	51	61					47
400pDT1	37	39	42	42	48	42	52	25	9	39
400pDT2	49	47	50	64	68	74	76			62
400pDT3	52	53	60	75	68					59
All	62	54	51	58	68	72	59	26	14	55

Col.	p	q	r	s	t	u	v	w	x	y
Energy invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	121.1	133.7	30.0	6.9	15.3	24.1	64.2	16.4	9.1	420.8
110DT2	248.1	335.9	95.9	32.4	51.3	26.5	6.9			797.9
110DT3	174.7	215.6	55.7	19.1	6.2					472.1
120DT1	231.5	291.2	102.9	77.1	1,011.2	1,087.9	1,221.0	188.6	66.0	4,277.4
120DT2	425.2	1,021.8	684.8	619.1	2,463.3	845.3	116.2			6,180.1
120DT3	196.4	588.4	370.1	240.1						1,547.9
130DT1	21.1	20.7	6.8	11.9	96.3	127.1	974.4	169.5	44.6	1,472.4
130DT2	45.4	72.6	58.8	111.7	224.3	133.4				687.3
130DT3	37.1	69.4	48.2	45.6	47.9					262.0
140pDT1	7.7			20.5	60.7	35.8	271.6	56.6	32.6	521.2
140pDT2	48.5	136.0	83.5	76.1	260.9	91.7	61.7			761.5
140pDT3	111.6	447.9	345.4	140.4	110.3	14.5				1,171.5
300pDT1	17.6	31.7	27.4	21.7	213.3	160.9	645.1	202.9	209.2	1,529.7
300pDT2	64.5	129.3	62.8	94.0	510.5	317.7	212.0	33.6		1,437.4
300pDT3	98.1	174.2	86.0	63.7	114.1					590.0
400pDT1	9.5	19.9	19.2	23.7	123.7	90.3	307.4	60.3	20.6	674.6
400pDT2	63.8	104.5	70.6	157.9	389.5	152.0	51.7			995.2
400pDT3	52.4	95.8	50.0	40.1	46.0					302.0
All	1,974.3	3,909.4	2,212.9	1,801.7	5,887.8	3,166.2	3,995.8	741.3	411.3	24,100.9

Col.	p	q	r	s	t	u	v	w	x	y
Energy cost DKK million/year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	6.1	6.7	1.5	0.3	0.8	1.2	3.2	0.8	0.5	21.2
110DT2	12.4	16.8	4.8	1.6	2.6	1.3	0.3			39.8
110DT3	8.7	10.7	2.8	1.0	0.3					23.5
120DT1	11.6	14.6	5.2	3.9	50.4	54.3	61.4	9.5	3.3	214.2
120DT2	21.2	51.1	34.3	30.9	122.0	41.9	5.8			307.2
120DT3	9.7	29.3	18.5	11.9						77.0
130DT1	1.1	1.0	0.3	0.6	4.8	6.4	48.9	8.5	2.3	73.9
130DT2	2.3	3.6	2.9	5.5	11.1	6.6				34.1
130DT3	1.8	3.5	2.4	2.3	2.4					13.0
140pDT1	0.4			1.0	3.0	1.8	13.7	2.9	1.6	26.2
140pDT2	2.4	6.8	4.2	3.8	13.1	4.6	3.1			38.1
140pDT3	5.6	22.5	17.4	7.0	5.5	0.7				58.8
300pDT1	0.9	1.6	1.4	1.1	10.6	8.0	32.3	10.2	10.4	76.4
300pDT2	3.2	6.4	3.1	4.6	25.2	15.7	10.5	1.7		71.1
300pDT3	4.8	8.6	4.3	3.1	5.7					29.2
400pDT1	0.5	1.0	1.0	1.2	6.1	4.5	15.4	3.0	1.0	33.7
400pDT2	3.2	5.2	3.5	7.8	19.3	7.5	2.6			49.3
400pDT3	2.6	4.7	2.5	2.0	2.3					14.9
All	98.4	195.3	110.7	89.7	292.0	157.3	200.3	37.3	20.6	1,201.6

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	19.93	19.82	19.73	19.79	20.45	20.33	19.89	19.62	19.58	19.89
110DT2	22.04	21.77	21.58	21.62	22.27	22.43	22.13			21.90
110DT3	24.64	24.34	23.97	24.18	24.53					24.43
120DT1	19.95	19.84	19.81	20.01	20.47	20.53	20.00	19.67	19.62	20.20
120DT2	22.11	21.68	21.61	21.88	22.51	22.69	22.40			22.20
120DT3	24.74	24.10	23.88	24.17						24.23
130DT1	19.84	19.84	20.01	20.75	20.54	20.32	20.04	19.75	19.61	20.05
130DT2	21.93	21.60	21.91	22.20	22.55	22.64				22.28
130DT3	24.48	24.02	23.99	24.15	24.86					24.36
140pDT1	19.85			19.88	20.22	20.45	19.96	19.77	19.60	19.96
140pDT2	21.66	21.47	21.34	21.43	21.68	22.05	21.83			21.63
140pDT3	22.03	21.74	21.55	21.70	21.82	21.92				21.72
300pDT1	19.73	20.18	20.55	20.80	21.11	20.89	20.34	19.97	20.77	20.51
300pDT2	22.67	22.32	22.70	22.92	23.13	23.13	22.76	23.50		22.96
300pDT3	23.04	22.58	22.83	22.99	22.82					22.81
400pDT1	20.12	20.43	20.99	21.51	21.07	21.23	20.18	19.75	20.15	20.51
400pDT2	22.31	22.39	22.96	22.85	22.80	22.70	22.69			22.72
400pDT3	22.72	22.66	22.80	22.99	22.87					22.75
All	22.14	22.03	22.03	22.26	22.08	21.65	20.37	20.01	20.44	21.63

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	1.00	1.00	0.99	1.00	1.02	1.02	1.00	0.99	0.99	1.00
110DT2	1.10	1.09	1.08	1.08	1.11	1.11	1.10			1.09
110DT3	1.22	1.21	1.19	1.20	1.22					1.21
120DT1	1.00	1.00	1.00	1.00	1.02	1.02	1.01	0.99	0.99	1.01
120DT2	1.10	1.08	1.08	1.09	1.11	1.12	1.11			1.10
120DT3	1.23	1.20	1.19	1.20						1.21
130DT1	1.00	1.00	1.00	1.03	1.02	1.02	1.01	1.00	0.99	1.01
130DT2	1.09	1.08	1.09	1.10	1.11	1.12				1.11
130DT3	1.22	1.20	1.20	1.20	1.23					1.21
140pDT1	1.00			1.00	1.01	1.02	1.00	1.00	0.99	1.00
140pDT2	1.09	1.08	1.07	1.08	1.08	1.10	1.09			1.08
140pDT3	1.10	1.09	1.08	1.09	1.09	1.10				1.09
300pDT1	0.99	1.01	1.03	1.04	1.05	1.04	1.02	1.00	1.03	1.02
300pDT2	1.12	1.11	1.13	1.13	1.14	1.14	1.13	1.16		1.13
300pDT3	1.14	1.12	1.13	1.14	1.13					1.13
400pDT1	1.01	1.02	1.04	1.06	1.05	1.05	1.01	1.00	1.01	1.02
400pDT2	1.11	1.11	1.13	1.13	1.13	1.12	1.12			1.13
400pDT3	1.12	1.12	1.13	1.14	1.13					1.13
All	1.10	1.10	1.10	1.11	1.10	1.08	1.02	1.01	1.02	1.08

Col.	p	q	r	s	t	u	v	w	x	y
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.024	0.031	0.008	0.003	0.003	0.002	0.004	0.001	0.000	0.077
120	0.039	0.086	0.052	0.042	0.165	0.091	0.066	0.010	0.003	0.554
130	0.005	0.007	0.005	0.007	0.017	0.013	0.051	0.009	0.002	0.115
140	0.008	0.028	0.021	0.011	0.020	0.007	0.017	0.003	0.002	0.115
300	0.008	0.015	0.008	0.008	0.037	0.023	0.042	0.012	0.011	0.163
400	0.006	0.010	0.006	0.010	0.025	0.012	0.018	0.003	0.001	0.090
All	0.089	0.177	0.100	0.081	0.267	0.146	0.196	0.037	0.020	1,114

Col.	b	c	d	e	f	g	h	i	j	K
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
kWh/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	3.7	3.6	3.5	3.5	3.8	3.8	3.7	1.8	0.6	3.5
120	3.7	3.3	3.1	3.5	4.0	4.1	3.7	1.3	0.4	3.4
130	3.0	3.0	2.8	3.4	3.4	3.3	3.9	2.1	0.7	3.1
140	1.2	1.3	1.3	1.3	1.2	1.2	1.8	0.7	0.3	1.2
300	1.7	1.7	1.9	2.0	2.5	3.0	2.1	1.2	1.1	1.9
400	2.2	2.2	2.3	2.8	2.8	2.6	2.7	1.3	0.5	2.4
All	2.8	2.5	2.3	2.6	3.1	3.3	2.9	1.3	0.7	2.6

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	83	79	76	78	85	81	74	38	12	77
120	82	73	69	78	89	87	75	25	8	74
130	68	67	64	76	75	72	79	41	13	65
140	27	28	29	28	26	27	37	13	7	27
300	39	38	42	46	57	66	43	24	22	42
400	49	48	52	63	62	58	55	25	9	52
All	62	54	51	58	68	72	59	26	14	55

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK million	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	544	685	182	58	73	51	72	17	9	1,691
120	853	1,901	1,158	936	3,618	1,940	1,339	191	69	12,005
130	104	163	114	169	368	270	1,018	171	45	2,422
140	168	605	444	237	432	142	335	59	33	2,454
300	180	335	176	179	838	505	871	238	234	3,557
400	126	220	140	222	559	258	361	64	22	1,972
All	1,974	3,909	2,213	1,802	5,888	3,166	3,996	741	411	24,101

Col.	b	c	d	e	f	g	h	i	j	k
Energy cost	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK million/year	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	27.1	34.2	9.1	2.9	3.6	2.5	3.6	0.9	0.5	84
120	42.6	95.1	57.9	46.7	179.4	96.5	67.2	9.6	3.5	598
130	5.2	8.1	5.7	8.4	18.2	13.4	51.1	8.6	2.3	121
140	8.4	30.3	22.3	11.9	21.6	7.1	16.8	3.0	1.7	123
300	8.9	16.7	8.7	8.9	41.4	25.0	43.5	11.9	11.6	177
400	6.2	10.9	6.9	11.0	27.7	12.8	18.1	3.2	1.1	98
All	98	195	111	90	292	157	200	37	21	1,202

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	22.27	22.08	21.91	22.15	22.03	21.39	20.24	20.60	19.58	21.98
120	22.00	22.05	22.10	22.25	21.99	21.43	20.20	19.71	19.85	21.67
130	22.28	22.31	22.61	22.58	22.25	21.57	20.13	19.80	19.75	21.05
140	21.82	21.61	21.44	21.45	21.50	21.61	20.28	19.87	19.63	21.29
300	22.54	22.23	22.40	22.66	22.54	22.38	20.93	20.44	20.94	21.82
400	22.30	22.31	22.61	22.72	22.40	22.13	20.52	19.90	20.21	21.91
All	22.14	22.03	22.03	22.26	22.08	21.65	20.37	20.01	20.44	21.63

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	1.11	1.10	1.10	1.11	1.10	1.07	1.02	1.04	0.99	1.10
120	1.10	1.10	1.11	1.11	1.09	1.07	1.01	0.99	1.00	1.08
130	1.11	1.12	1.13	1.12	1.10	1.07	1.01	1.00	1.00	1.05
140	1.09	1.08	1.08	1.08	1.08	1.08	1.02	1.00	0.99	1.07
300	1.12	1.11	1.11	1.12	1.11	1.11	1.04	1.02	1.04	1.08
400	1.11	1.11	1.12	1.12	1.11	1.10	1.03	1.00	1.01	1.09
All	1.10	1.10	1.10	1.11	1.10	1.08	1.02	1.01	1.02	1.08

To:	Pkt_7	Pkt_7	Pkt_7	Pkt_7	Pkt_7	Pkt_7	Pkt_7	Pkt_7	Pkt_7	Pkt_7
From:	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6	Pkt_6
Col.	p	q	r	s	t	u	v	w	x	y
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.002	0.002	0.000	0.000	0.000	0.000	0.001	0.001		0.009
110DT2	0.001	0.002	0.000	0.000	0.000	0.000	0.000			0.003
110DT3	0.000	0.000	0.000	0.000	0.000					0.000
120DT1	0.003	0.005	0.002	0.002	0.016	0.012	0.017	0.022	0.020	0.100
120DT2	0.002	0.005	0.004	0.004	0.011	0.003	0.000			0.029
120DT3	0.000	0.001	0.001	0.000						0.003
130DT1	0.000	0.000	0.000	0.000	0.002	0.001	0.005	0.010	0.008	0.027
130DT2	0.000	0.000	0.001	0.001	0.001	0.001				0.004
130DT3	0.000	0.000	0.000	0.000	0.000					0.000
140pDT1	0.000			0.000	0.002	0.001	0.003	0.005	0.003	0.015
140pDT2	0.000	0.001	0.001	0.001	0.003	0.001	0.000			0.007
140pDT3	0.000	0.001	0.001	0.001	0.001	0.001				0.005
300pDT1	0.000	0.001	0.000	0.000	0.003	0.002	0.012	0.007	0.009	0.034
300pDT2	0.000	0.001	0.000	0.000	0.002	0.001	0.001	0.000		0.007
300pDT3	0.000	0.000	0.000	0.000	0.000					0.002
400pDT1	0.000	0.000	0.000	0.001	0.003	0.003	0.006	0.004	0.003	0.019
400pDT2	0.000	0.001	0.001	0.001	0.002	0.001	0.000			0.006
400pDT3	0.000	0.000	0.000	0.000	0.000					0.001
All	0.011	0.021	0.013	0.013	0.046	0.025	0.046	0.049	0.045	0.269
Col.	b	c	d	e	f	g	h	i	j	K
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
kWh/m²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	1.13	1.04	0.97	1.16	1.15	0.81	0.61	1.92	2.04	1.16
110DT2	0.38	0.37	0.37	0.44	0.30	0.15	0.26			0.36
110DT3	0.09	0.08	0.11	0.10	0.03					0.09
120DT1	0.97	0.94	1.06	1.33	1.13	0.88	1.04	2.97	2.40	1.38
120DT2	0.33	0.34	0.44	0.49	0.44	0.35	0.32			0.41
120DT3	0.10	0.12	0.15	0.17						0.14
130DT1	0.72	0.89	0.96	1.67	0.90	0.60	0.43	2.32	2.43	1.09
130DT2	0.32	0.27	0.55	0.43	0.42	0.45				0.41
130DT3	0.11	0.10	0.13	0.17	0.10					0.12
140pDT1	0.33			0.46	0.57	0.57	0.34	1.05	0.71	0.59
140pDT2	0.14	0.14	0.25	0.31	0.30	0.26	0.15			0.25
140pDT3	0.06	0.08	0.12	0.21	0.14	0.15				0.11
300pDT1	0.25	0.47	0.42	0.40	0.63	0.54	0.74	0.82	0.89	0.74
300pDT2	0.22	0.23	0.21	0.24	0.27	0.21	0.25	0.42		0.25
300pDT3	0.14	0.11	0.11	0.18	0.19					0.14
400pDT1	0.30	0.57	0.77	1.32	1.05	1.26	1.00	1.43	1.18	1.11
400pDT2	0.22	0.30	0.50	0.54	0.35	0.36	0.34			0.39
400pDT3	0.25	0.17	0.13	0.24	0.31					0.22
All	0.35	0.29	0.31	0.43	0.53	0.57	0.67	1.68	1.48	0.62

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest. DKK/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	50	46	42	51	50	36	27	84	89	51
110DT2	18	17	17	21	14	7	12			17
110DT3	5	4	6	5	2					5
120DT1	43	41	46	58	49	38	45	131	105	60
120DT2	15	16	20	23	21	16	15			19
120DT3	5	6	8	9						7
130DT1	31	38	41	73	38	25	18	101	105	47
130DT2	15	13	26	20	19	19				18
130DT3	5	5	6	9	5					6
140pDT1	14			20	24	24	14	43	28	24
140pDT2	6	7	11	14	13	11	7			11
140pDT3	3	4	6	10	7	6				5
300pDT1	10	19	17	16	23	20	27	29	32	27
300pDT2	9	10	9	10	10	8	10	17		10
300pDT3	6	4	4	7	7					6
400pDT1	13	24	32	51	41	44	38	55	47	42
400pDT2	10	13	21	23	15	14	14			16
400pDT3	11	7	6	10	13					9
All	16	13	14	19	23	24	27	71	62	26

Col.	p	q	r	s	t	u	v	w	x	y
Energy invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	95.5	99.7	20.9	6.1	11.4	12.1	23.6	38.0	65.5	373.0
110DT2	51.3	71.4	21.1	8.6	8.0	2.0	0.9			163.6
110DT3	8.2	9.9	3.7	1.1	0.1					22.9
120DT1	150.1	208.6	93.1	83.1	678.3	522.9	761.5	975.1	872.6	4,345.3
120DT2	75.4	217.7	204.9	178.4	525.9	137.1	17.9			1,361.9
120DT3	10.8	42.9	36.5	24.0						132.2
130DT1	12.1	15.8	6.0	17.9	67.8	49.1	224.5	414.4	353.3	1,160.9
130DT2	9.7	13.5	24.6	29.0	49.6	31.1				163.1
130DT3	2.5	5.0	4.4	4.7	2.5					20.5
140pDT1	5.5			16.6	75.9	45.0	107.3	186.3	132.8	594.5
140pDT2	12.2	33.1	35.8	41.6	131.8	34.4	9.9			306.8
140pDT3	11.3	60.2	66.3	46.6	23.9	2.9				211.6
300pDT1	6.3	22.2	13.6	9.8	103.8	58.6	434.6	262.0	312.5	1,223.3
300pDT2	15.7	35.2	14.0	20.0	85.7	35.0	35.9	12.3		262.5
300pDT3	14.7	18.5	8.2	9.2	13.8					72.1
400pDT1	3.2	12.1	14.3	28.6	103.7	96.2	225.1	135.2	110.6	729.1
400pDT2	12.7	29.7	29.4	55.8	83.8	28.7	9.6			257.0
400pDT3	11.3	13.4	4.9	5.6	8.6					47.3
All	508.4	925.3	610.4	586.7	1,991.5	1,061.9	1,856.1	2,044.7	1,862.5	11,447.6

Col.	p	q	r	s	t	u	v	w	x	y
Energy cost DKK million/year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	4.8	5.0	1.1	0.3	0.6	0.6	1.2	1.9	3.3	18.8
110DT2	2.6	3.6	1.1	0.4	0.4	0.1	0.0			8.3
110DT3	0.4	0.5	0.2	0.1	0.0					1.2
120DT1	7.6	10.5	4.7	4.2	34.3	26.4	38.5	49.3	44.1	219.5
120DT2	3.8	11.0	10.4	9.0	26.6	6.9	0.9			68.8
120DT3	0.5	2.2	1.8	1.2						6.7
130DT1	0.6	0.8	0.3	0.9	3.4	2.5	11.3	20.9	17.9	58.7
130DT2	0.5	0.7	1.2	1.5	2.5	1.6				8.2
130DT3	0.1	0.3	0.2	0.2	0.1					1.0
140pDT1	0.3			0.8	3.8	2.3	5.4	9.4	6.7	30.0
140pDT2	0.6	1.7	1.8	2.1	6.7	1.7	0.5			15.5
140pDT3	0.6	3.0	3.4	2.4	1.2	0.1				10.7
300pDT1	0.3	1.1	0.7	0.5	5.2	3.0	22.0	13.2	15.8	61.8
300pDT2	0.8	1.8	0.7	1.0	4.3	1.8	1.8	0.6		13.3
300pDT3	0.7	0.9	0.4	0.5	0.7					3.6
400pDT1	0.2	0.6	0.7	1.4	5.2	4.9	11.4	6.8	5.6	36.8
400pDT2	0.6	1.5	1.5	2.8	4.2	1.4	0.5			13.0
400pDT3	0.6	0.7	0.2	0.3	0.4					2.4
All	25.7	46.8	30.8	29.6	100.6	53.6	93.8	103.3	94.1	578.4

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	43.93	43.73	43.46	43.75	43.52	43.85	43.81	44.02	43.67	43.79
110DT2	47.02	46.85	46.50	46.73	47.17	46.96	47.19			46.90
110DT3	51.58	51.28	50.23	50.85	51.73					51.19
120DT1	43.68	43.46	43.45	43.46	43.10	43.59	43.69	43.94	43.86	43.65
120DT2	46.66	46.37	46.33	46.54	46.39	46.73	46.66			46.45
120DT3	50.71	50.70	50.62	51.04						50.80
130DT1	43.35	43.17	43.05	43.55	42.35	41.90	42.25	43.48	43.15	43.00
130DT2	46.47	46.20	46.78	46.54	44.39	40.76				44.68
130DT3	50.13	50.79	51.64	50.78	51.33					50.63
140pDT1	42.83			42.70	41.76	42.34	41.31	40.78	39.14	40.90
140pDT2	44.45	45.75	46.14	46.03	45.17	44.23	45.26			45.32
140pDT3	44.31	45.83	46.81	46.44	46.93	41.76				46.26
300pDT1	41.00	41.06	40.20	40.02	36.59	36.41	35.89	35.83	36.07	36.19
300pDT2	42.01	43.57	42.97	40.80	38.11	39.22	37.80	39.81		39.57
300pDT3	43.20	40.76	40.67	40.40	40.14					40.60
400pDT1	42.70	41.58	41.21	38.46	38.76	35.33	38.24	38.61	40.36	38.41
400pDT2	44.94	43.72	42.10	41.97	41.96	38.43	41.11			41.73
400pDT3	44.38	44.22	43.77	43.29	41.43					42.95
All	44.74	44.94	45.34	44.62	43.14	42.08	40.53	41.91	41.60	42.51

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	2.22	2.21	2.20	2.21	2.20	2.22	2.21	2.22	2.21	2.21
110DT2	2.38	2.37	2.35	2.36	2.38	2.37	2.38			2.37
110DT3	2.61	2.59	2.54	2.57	2.61					2.59
120DT1	2.21	2.20	2.20	2.20	2.18	2.20	2.21	2.22	2.22	2.21
120DT2	2.36	2.34	2.34	2.35	2.34	2.36	2.36			2.35
120DT3	2.56	2.56	2.56	2.56						2.57
130DT1	2.19	2.18	2.18	2.20	2.14	2.12	2.13	2.20	2.18	2.17
130DT2	2.35	2.33	2.36	2.35	2.24	2.06				2.26
130DT3	2.53	2.57	2.61	2.57	2.59					2.56
140pDT1	2.16			2.16	2.11	2.14	2.09	2.06	1.98	2.07
140pDT2	2.25	2.31	2.33	2.33	2.28	2.23	2.29			2.29
140pDT3	2.24	2.32	2.36	2.35	2.37	2.11				2.34
300pDT1	2.07	2.07	2.03	2.02	1.85	1.84	1.81	1.81	1.82	1.83
300pDT2	2.12	2.20	2.17	2.06	1.93	1.98	1.91	2.01		2.00
300pDT3	2.18	2.06	2.05	2.04	2.03					2.05
400pDT1	2.16	2.10	2.08	1.94	1.96	1.78	1.93	1.95	2.04	1.94
400pDT2	2.27	2.21	2.13	2.12	2.12	1.94	2.08			2.11
400pDT3	2.24	2.23	2.21	2.19	2.09					2.17
All	2.26	2.27	2.29	2.25	2.18	2.13	2.05	2.12	2.10	2.15

Col.	p	q	r	s	t	u	v	w	x	y
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.003	0.004	0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.012
120	0.005	0.010	0.007	0.006	0.027	0.015	0.018	0.022	0.020	0.131
130	0.001	0.001	0.001	0.001	0.003	0.002	0.005	0.010	0.008	0.031
140	0.001	0.002	0.002	0.002	0.005	0.002	0.003	0.005	0.003	0.026
300	0.001	0.002	0.001	0.001	0.005	0.003	0.013	0.008	0.009	0.042
400	0.001	0.001	0.001	0.002	0.005	0.004	0.006	0.004	0.003	0.026
All	0.011	0.021	0.013	0.013	0.046	0.025	0.046	0.049	0.045	0.269

Col.	b	c	d	e	f	g	h	i	j	k
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
kWh/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.5	0.5	0.4	0.5	0.5	0.5	0.6	1.9	2.0	0.6
120	0.5	0.4	0.4	0.5	0.7	0.7	1.0	3.0	2.4	0.8
130	0.4	0.3	0.4	0.5	0.6	0.5	0.4	2.3	2.4	0.8
140	0.1	0.1	0.2	0.3	0.3	0.4	0.3	1.0	0.7	0.3
300	0.2	0.2	0.2	0.2	0.4	0.3	0.6	0.8	0.9	0.5
400	0.2	0.3	0.4	0.6	0.5	0.8	0.9	1.4	1.2	0.7
All	0.4	0.3	0.3	0.4	0.5	0.6	0.7	1.7	1.5	0.6

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	24	21	19	21	23	23	25	82	89	25
120	23	18	20	24	30	30	43	130	105	36
130	16	14	20	23	24	22	18	101	104	36
140	5	5	7	12	14	15	13	42	28	12
300	8	9	8	10	14	13	23	28	31	18
400	11	12	18	25	22	29	36	55	47	27
All	16	13	14	19	23	24	27	71	62	26

Col.	b	c	d	e	f	g	h	i	j	k
Energy invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK million	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	155	181	46	16	20	14	25	38	66	559
120	236	469	335	286	1,221	661	779	978	875	5,839
130	24	34	35	52	120	81	228	416	354	1,344
140	29	110	111	105	232	82	117	193	134	1,113
300	37	76	36	39	203	95	471	278	323	1,558
400	27	55	49	90	196	128	235	142	112	1,033
All	508	925	610	587	1,992	1,062	1,856	2,045	1,862	11,448

Col.	b	c	d	e	f	g	h	i	j	k
Energy cost	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
DKK million/year	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	7.8	9.1	2.3	0.8	1.0	0.7	1.2	1.9	3.3	28
120	11.9	23.7	16.9	14.4	61.7	33.4	39.4	49.4	44.2	295
130	1.2	1.7	1.8	2.6	6.1	4.1	11.5	21.0	17.9	68
140	1.5	5.5	5.6	5.3	11.7	4.2	5.9	9.7	6.8	56
300	1.9	3.8	1.8	2.0	10.3	4.8	23.8	14.0	16.3	79
400	1.4	2.8	2.5	4.5	9.9	6.5	11.9	7.2	5.6	52
All	26	47	31	30	101	54	94	103	94	578

Energy DKK/(kWh/year)	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	45.27	45.28	45.32	45.78	44.99	44.27	43.93	44.17	43.67	44.93
120	44.88	45.37	45.91	45.93	44.56	44.22	43.75	43.94	43.86	44.42
130	45.20	45.33	46.65	45.81	43.34	41.51	42.29	43.50	43.16	43.29
140	44.08	45.40	46.29	45.64	44.16	43.09	41.62	40.95	39.16	43.00
300	42.30	42.11	41.35	40.51	37.45	37.40	36.04	36.00	36.09	36.90
400	44.43	43.35	41.99	40.86	40.19	36.01	38.35	38.61	40.33	39.38
All	44.74	44.94	45.34	44.62	43.14	42.08	40.53	41.91	41.60	42.51

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	2.29	2.29	2.29	2.31	2.27	2.24	2.22	2.23	2.21	2.27
120	2.27	2.29	2.32	2.32	2.25	2.23	2.21	2.22	2.22	2.24
130	2.28	2.29	2.36	2.31	2.19	2.10	2.14	2.20	2.18	2.19
140	2.23	2.29	2.34	2.31	2.23	2.18	2.10	2.07	1.98	2.17
300	2.14	2.13	2.09	2.05	1.89	1.89	1.82	1.82	1.82	1.86
400	2.24	2.19	2.12	2.06	2.03	1.82	1.94	1.95	2.04	1.99
All	2.26	2.27	2.29	2.25	2.18	2.13	2.05	2.12	2.10	2.15

To: Pkt_1

Col.	p	q	r	s	t	u	v	w	x	y	
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	Rk.
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	0.028	0.031	0.007	0.002	0.004	0.006	0.016	0.004	0.005	0.102	51
110DT2	0.065	0.086	0.025	0.008	0.012	0.006	0.002			0.205	52
110DT3	0.111	0.124	0.029	0.010	0.002					0.276	53
120DT1	0.056	0.077	0.030	0.022	0.273	0.271	0.300	0.071	0.050	1.148	54
120DT2	0.108	0.285	0.206	0.171	0.595	0.184	0.024			1.575	55
120DT3	0.112	0.298	0.185	0.099						0.740	56
130DT1	0.006	0.006	0.002	0.004	0.032	0.043	0.231	0.037	0.021	0.382	57
130DT2	0.014	0.022	0.020	0.032	0.062	0.037				0.196	58
130DT3	0.020	0.036	0.020	0.018	0.013					0.110	59
140pDT1	0.006			0.016	0.058	0.034	0.140	0.047	0.040	0.370	60
140pDT2	0.035	0.093	0.055	0.058	0.207	0.066	0.027			0.544	61
140pDT3	0.096	0.392	0.282	0.098	0.089	0.014				0.972	62
300pDT1	0.009	0.014	0.012	0.013	0.071	0.046	0.266	0.078	0.061	0.570	63
300pDT2	0.031	0.061	0.031	0.040	0.164	0.081	0.064	0.008		0.486	64
300pDT3	0.067	0.120	0.066	0.039	0.063					0.377	65
400pDT1	0.004	0.009	0.008	0.010	0.048	0.037	0.102	0.029	0.025	0.272	66
400pDT2	0.024	0.044	0.031	0.052	0.125	0.039	0.015			0.332	67
400pDT3	0.030	0.055	0.029	0.019	0.018					0.157	68
All	0.823	1.768	1.049	0.710	1.882	0.881	1.206	0.281	0.213	8.813	69

Col.	b	c	d	e	f	g	h	i	j	k	
Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	Rk.
kWh/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	14.41	14.12	13.50	13.73	16.77	17.63	18.24	9.04	6.70	13.84	51
110DT2	22.93	20.81	20.05	20.40	21.33	21.72	20.14			21.43	52
110DT3	62.56	53.02	44.82	46.56	36.34					54.92	53
120DT1	15.86	15.04	14.67	15.00	19.60	19.78	17.93	9.46	5.96	15.89	54
120DT2	22.01	20.76	20.49	21.77	23.30	21.63	19.99			21.91	55
120DT3	55.19	41.81	38.63	36.43						40.78	56
130DT1	15.95	14.92	13.76	15.55	18.11	21.78	18.53	9.03	6.38	15.38	57
130DT2	21.72	20.01	20.60	22.11	23.64	22.15				21.90	58
130DT3	40.72	37.90	29.01	33.84	26.28					32.89	59
140pDT1	16.52			19.07	18.34	18.07	18.37	10.86	8.50	15.05	60
140pDT2	18.28	18.64	17.58	19.75	21.13	21.96	17.90			19.75	61
140pDT3	24.09	25.33	23.96	20.53	24.81	30.50				24.23	62
300pDT1	15.31	12.32	14.31	21.44	15.76	15.72	16.32	8.69	6.26	12.49	63
300pDT2	18.31	17.66	20.39	19.80	19.64	18.75	17.19	10.94		18.58	64
300pDT3	28.44	28.59	34.70	31.16	34.19					29.78	65
400pDT1	16.26	16.81	18.19	17.91	18.80	17.08	17.27	11.90	10.80	15.84	66
400pDT2	18.59	19.47	22.02	21.13	21.87	19.06	21.47			20.74	67
400pDT3	29.58	30.39	35.40	35.51	27.51					30.65	68
All	25.69	24.59	24.13	22.95	21.66	20.00	17.77	9.71	7.06	20.20	69

[illegible]

Savings TWh	Col.	p	q	r	s	t	u	v	w	x	y	RK.
		p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110		0.204	0.240	0.060	0.020	0.018	0.012	0.018	0.005	0.005	0.583	372
120		0.276	0.660	0.420	0.292	0.911	0.457	0.325	0.072	0.050	3.462	373
130		0.040	0.063	0.042	0.054	0.108	0.082	0.240	0.038	0.022	0.688	374
140		0.137	0.502	0.349	0.172	0.355	0.114	0.168	0.049	0.041	1.887	375
300		0.108	0.195	0.108	0.092	0.299	0.136	0.338	0.087	0.069	1.432	376
400		0.058	0.107	0.068	0.081	0.192	0.080	0.117	0.031	0.025	0.760	377
All		0.823	1.768	1.049	0.710	1.882	0.881	1.206	0.281	0.213	8.813	378

[illegible]

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	105.5	106.3	106.9	107.8	115.6	115.2	106.9	91.0	75.7	102.9	110
110DT2	128.8	121.6	118.3	119.4	123.1	116.6	104.3			123.0	110
110DT3	180.0	163.6	148.1	156.2	147.7					166.9	110
120DT1	109.7	111.7	116.4	121.4	129.9	126.4	114.5	95.5	79.2	113.5	120
120DT2	127.6	125.5	128.8	138.6	134.3	124.1	116.7			130.3	120
120DT3	177.2	160.0	159.3	166.1						162.1	120
130DT1	99.8	101.4	107.3	114.2	114.2	120.4	110.3	95.3	80.0	104.5	130
130DT2	114.3	112.5	116.2	117.2	120.0	113.1				115.7	130
130DT3	136.0	134.8	126.9	130.9	107.7					125.0	130
140pDT1	95.3			97.5	92.2	92.4	98.9	97.7	79.1	94.0	140
140pDT2	106.0	107.3	105.4	99.4	91.1	89.8	89.4			97.2	140
140pDT3	112.6	116.9	115.4	110.7	102.5	100.2				113.8	140
300pDT1	113.4	110.6	114.3	123.5	115.6	117.2	109.4	90.2	88.2	102.6	300
300pDT2	124.1	119.4	117.7	117.0	112.2	113.3	98.5	78.4		111.6	300
300pDT3	136.3	134.2	138.9	129.8	122.9					129.8	300
400pDT1	131.3	127.4	129.6	126.6	126.1	114.2	112.5	99.3	88.5	111.2	400
400pDT2	131.2	125.8	125.2	122.9	117.7	104.4	105.9			118.8	400
400pDT3	146.6	140.1	145.0	152.3	115.3					138.2	400
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1	All

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	91.1	92.2	93.4	94.1	98.8	97.6	88.6	81.9	69.1	89.1	110
110DT2	105.9	100.8	98.2	99.0	101.8	94.8	84.2			101.5	110
110DT3	117.5	110.6	103.3	109.7	111.4					112.0	110
120DT1	93.8	96.7	101.7	106.4	110.4	106.6	96.6	86.0	73.3	97.6	120
120DT2	105.6	104.7	108.3	116.8	111.0	102.4	96.7			108.4	120
120DT3	122.0	118.2	120.6	129.7						121.3	120
130DT1	83.9	86.5	93.5	98.7	96.1	98.7	91.8	86.3	73.6	89.1	130
130DT2	92.5	92.5	95.6	95.1	96.3	90.9				93.8	130
130DT3	95.3	96.9	97.8	97.1	81.4					92.1	130
140pDT1	78.8			78.4	73.8	74.3	80.5	86.9	70.6	78.9	140
140pDT2	87.7	88.7	87.8	79.6	70.0	67.9	71.5			77.5	140
140pDT3	88.5	91.6	91.5	90.1	77.7	69.7				89.5	140
300pDT1	98.1	98.3	99.9	102.0	99.8	101.5	93.1	81.5	82.0	90.1	300
300pDT2	105.8	101.7	97.3	97.2	92.5	94.5	81.3	67.5		93.1	300
300pDT3	107.9	105.6	104.2	98.6	88.7					100.0	300
400pDT1	115.1	110.6	111.5	108.7	107.3	97.1	95.2	87.4	77.7	95.4	400
400pDT2	112.6	106.3	103.1	101.8	95.8	85.3	84.4			98.1	400
400pDT3	117.0	109.7	109.6	116.8	87.7					107.5	400
All	101.7	100.5	101.3	103.3	98.6	96.9	91.2	84.1	75.5	95.9	All

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	14.4	14.1	13.5	13.7	16.8	17.6	18.2	9.0	6.7	13.8	110
110DT2	22.9	20.8	20.1	20.4	21.3	21.7	20.1			21.4	110
110DT3	62.6	53.0	44.8	46.6	36.3					54.9	110
120DT1	15.9	15.0	14.7	15.0	19.6	19.8	17.9	9.5	6.0	15.9	120
120DT2	22.0	20.8	20.5	21.8	23.3	21.6	20.0			21.9	120
120DT3	55.2	41.8	38.6	36.4						40.8	120
130DT1	16.0	14.9	13.8	15.6	18.1	21.8	18.5	9.0	6.4	15.4	130
130DT2	21.7	20.0	20.6	22.1	23.6	22.1				21.9	130
130DT3	40.7	37.9	29.0	33.8	26.3					32.9	130
140pDT1	16.5			19.1	18.3	18.1	18.4	10.9	8.5	15.0	140
140pDT2	18.3	18.6	17.6	19.7	21.1	22.0	17.9			19.7	140
140pDT3	24.1	25.3	24.0	20.5	24.8	30.5				24.2	140
300pDT1	15.3	12.3	14.3	21.4	15.8	15.7	16.3	8.7	6.3	12.5	300
300pDT2	18.3	17.7	20.4	19.8	19.6	18.7	17.2	10.9		18.6	300
300pDT3	28.4	28.6	34.7	31.2	34.2					29.8	300
400pDT1	16.3	16.8	18.2	17.9	18.8	17.1	17.3	11.9	10.8	15.8	400
400pDT2	18.6	19.5	22.0	21.1	21.9	19.1	21.5			20.7	400
400pDT3	29.6	30.4	35.4	35.5	27.5					30.7	400
All	25.7	24.6	24.1	22.9	21.7	20.0	17.8	9.7	7.1	20.2	All

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	13.7	13.3	12.6	12.7	14.5	15.3	17.1	9.9	8.8	13.4	110
110DT2	17.8	17.1	17.0	17.1	17.3	18.6	19.3			17.4	110
110DT3	34.8	32.4	30.3	29.8	24.6					32.9	110
120DT1	14.5	13.5	12.6	12.4	15.1	15.7	15.7	9.9	7.5	14.0	120
120DT2	17.3	16.5	15.9	15.7	17.3	17.4	17.1			16.8	120
120DT3	31.2	26.1	24.3	21.9						25.2	120
130DT1	16.0	14.7	12.8	13.6	15.9	18.1	16.8	9.5	8.0	14.7	130
130DT2	19.0	17.8	17.7	18.9	19.7	19.6				18.9	130
130DT3	29.9	28.1	22.9	25.8	24.4					26.3	130
140pDT1	17.3			19.6	19.9	19.6	18.6	11.1	10.7	16.0	140
140pDT2	17.2	17.4	16.7	19.9	23.2	24.4	20.0			20.3	140
140pDT3	21.4	21.7	20.8	18.6	24.2	30.4				21.3	140
300pDT1	13.5	11.1	12.5	17.4	13.6	13.4	14.9	9.6	7.1	12.2	300
300pDT2	14.8	14.8	17.3	16.9	17.5	16.6	17.5	13.9		16.6	300
300pDT3	20.9	21.3	25.0	24.0	27.8					23.0	300
400pDT1	12.4	13.2	14.0	14.2	14.9	15.0	15.3	12.0	12.2	14.2	400
400pDT2	14.2	15.5	17.6	17.2	18.6	18.3	20.3			17.5	400
400pDT3	20.2	21.7	24.4	23.3	23.9					22.2	400
All	20.2	19.7	19.2	18.2	18.0	17.1	16.3	10.4	8.6	17.4	All

Gross area m ² *1000	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	1,921	2,186	499	120	228	340	885	450	733	7,362	110
110DT2	2,848	4,126	1,235	417	567	286	77	14	0	9,570	110
110DT3	1,775	2,331	642	213	63	2	6	0	0	5,032	110
120DT1	3,525	5,087	2,027	1,437	13,916	13,682	16,756	7,466	8,305	72,203	120
120DT2	4,906	13,726	10,030	7,869	25,556	8,505	1,190	40	38	71,861	120
120DT3	2,036	7,134	4,788	2,713	1,380	66	19	2	8	18,145	120
130DT1	388	412	143	245	1,780	1,954	12,459	4,115	3,366	24,862	130
130DT2	658	1,078	961	1,437	2,636	1,678	466	18	1	8,933	130
130DT3	482	944	686	535	494	131	37	3	24	3,336	130
140pDT1	384	1,002	619	839	3,163	1,870	7,617	4,361	4,766	24,621	140
140pDT2	1,903	5,015	3,157	2,913	9,816	3,026	1,502	178	61	27,571	140
140pDT3	3,988	15,474	11,757	4,777	3,605	451	39	2	25	40,119	140
300pDT1	603	1,143	808	614	4,489	2,952	16,271	8,963	9,762	45,607	300
300pDT2	1,712	3,468	1,516	2,005	8,376	4,305	3,726	731	304	26,143	300
300pDT3	2,356	4,197	1,901	1,258	1,856	372	233	77	398	12,649	300
400pDT1	252	515	453	562	2,552	2,162	5,883	2,450	2,332	17,161	400
400pDT2	1,294	2,243	1,401	2,448	5,727	2,053	684	111	26	15,988	400
400pDT3	1,017	1,808	829	535	673	220	30	2	1	5,114	400
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277	All

DT1.2.3 % of gross area	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	29.3	25.3	21.0	16.0	26.6	54.2	91.4	97.0	100.0	33.5	110
110DT2	43.5	47.7	52.0	55.6	66.1	45.5	8.0	3.0	0.0	43.6	110
110DT3	27.1	27.0	27.0	28.4	7.3	0.3	0.6	0.0	0.0	22.9	110
120DT1	33.7	19.6	12.0	12.0	34.1	61.5	93.3	99.4	99.5	44.5	120
120DT2	46.9	52.9	59.5	65.5	62.6	38.2	6.6	0.5	0.5	44.3	120
120DT3	19.5	27.5	28.4	22.6	3.4	0.3	0.1	0.0	0.1	11.2	120
130DT1	25.4	16.9	8.0	11.1	36.2	51.9	96.1	99.5	99.3	67.0	130
130DT2	43.1	44.3	53.7	64.8	53.7	44.6	3.6	0.4	0.0	24.1	130
130DT3	31.5	38.8	38.3	24.1	10.1	3.5	0.3	0.1	0.7	9.0	130
140pDT1	6.1	4.7	4.0	9.8	19.1	35.0	83.2	96.0	98.2	26.7	140
140pDT2	30.3	23.3	20.3	34.2	59.2	56.6	16.4	3.9	1.3	29.9	140
140pDT3	63.6	72.0	75.7	56.0	21.7	8.4	0.4	0.0	0.5	43.5	140
300pDT1	12.9	13.0	19.1	15.8	30.5	38.7	80.4	91.7	93.3	54.0	300
300pDT2	36.7	39.4	35.9	51.7	56.9	56.4	18.4	7.5	2.9	31.0	300
300pDT3	50.4	47.7	45.0	32.5	12.6	4.9	1.2	0.8	3.8	15.0	300
400pDT1	9.8	11.3	16.9	15.9	28.5	48.8	89.2	95.6	98.9	44.8	400
400pDT2	50.5	49.1	52.2	69.1	64.0	46.3	10.4	4.3	1.1	41.8	400
400pDT3	39.7	39.6	30.9	15.1	7.5	5.0	0.4	0.1	0.0	13.4	400
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0	All

AsIS Dimensioning W/m²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	36	37	37	37	40	40	37	32	28	36	110
110DT2	51	49	48	48	50	48	44			49	110
110DT3	80	74	69	72	70					75	110
120DT1	38	39	40	42	45	44	40	34	29	40	120
120DT2	51	50	52	56	55	51	48			53	120
120DT3	79	73	74	77						75	120
130DT1	34	35	37	39	40	42	38	34	29	36	130
130DT2	46	45	47	48	50	48				48	130
130DT3	64	63	61	64	57					61	130
140pDT1	33			34	33	33	34	35	29	33	140
140pDT2	43	44	43	42	40	39	38			41	140
140pDT3	51	53	52	52	50	49				52	140
300pDT1	42	41	43	46	43	43	41	36	35	39	300
300pDT2	54	52	52	52	50	50	45	40		50	300
300pDT3	64	63	65	63	59					61	300
400pDT1	49	48	49	48	49	45	44	41	36	44	400
400pDT2	58	57	57	56	55	50	51			55	400
400pDT3	69	67	69	72	61					67	400
All	53	53	54	54	49	46	40	35	32	47	All

Renovated Dimensioning W/m²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	32	32	33	33	35	34	31	29	26	31	110
110DT2	43	41	41	41	42	40	36			42	110
110DT3	56	54	51	54	55					54	110
120DT1	32	34	35	37	39	37	34	31	27	34	120
120DT2	43	43	44	48	46	43	41			45	120
120DT3	58	57	58	63						59	120
130DT1	29	30	32	34	34	35	32	31	27	31	130
130DT2	38	38	40	40	41	40				40	130
130DT3	48	48	50	50	46					48	130
140pDT1	28			28	27	27	28	31	26	28	140
140pDT2	37	37	37	35	32	31	31			34	140
140pDT3	42	43	43	44	40	38				43	140
300pDT1	37	37	38	39	38	38	36	33	33	35	300
300pDT2	47	46	45	45	43	43	39	36		43	300
300pDT3	53	52	52	51	47					51	300
400pDT1	44	43	43	42	42	39	38	37	34	39	400
400pDT2	51	49	49	49	47	43	43			47	400
400pDT3	58	56	56	59	50					55	400
All	44	44	45	46	42	39	34	32	30	40	All

Basic invest.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
DKK/m ²	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	740	743	759	770	874	911	804	816	844	777	110
110DT2	969	922	881	959	1,066	1,088	973			946	110
110DT3	1,580	1,414	1,260	1,387	1,405					1,452	110
120DT1	743	781	819	881	1,018	1,020	867	897	809	909	120
120DT2	964	938	981	1,100	1,225	1,200	1,064			1,099	120
120DT3	1,526	1,306	1,314	1,449						1,369	120
130DT1	772	762	814	971	1,051	1,055	819	886	824	866	130
130DT2	942	915	1,012	1,157	1,280	1,240				1,138	130
130DT3	1,313	1,248	1,187	1,512	1,535					1,325	130
140pDT1	795			869	908	902	743	974	954	867	140
140pDT2	837	832	816	890	999	1,030	807			918	140
140pDT3	943	950	923	931	1,081	1,248				954	140
300pDT1	753	757	837	841	829	772	716	778	646	733	300
300pDT2	881	842	928	1,042	1,024	1,009	858	848		956	300
300pDT3	1,038	1,003	1,099	1,207	1,175					1,066	300
400pDT1	749	816	899	942	989	880	796	968	816	870	400
400pDT2	856	919	1,023	1,080	1,155	1,048	1,000			1,053	400
400pDT3	1,012	1,068	1,179	1,265	1,246					1,117	400
All	979	966	988	1,070	1,099	1,042	806	875	785	967	A

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All

	Basis DKK million	Energy DKK million	Basis Annual investment	Energy DKK million/year
110	22,085	0	1,213	0
120	169,429	0	9,397	0
130	36,108	0	2,022	0
140p	84,942	0	4,818	0
300p	71,917	0	3,999	0
400p	37,481	0	2,078	0
All	421,962	0	23,528	0

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300
300
300
400
400
400
All

[illegible]

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	135.9	129.1	124.0	128.0	122.9	116.0	106.9	91.0	75.7	126.3
120	131.2	132.3	136.0	142.7	133.5	125.5	114.7	95.6	79.3	126.4
130	117.5	119.3	119.6	120.2	116.6	115.5	110.1	95.3	79.6	109.0
140	109.5	114.0	113.5	105.5	93.8	91.6	97.4	97.0	78.7	103.5
300	128.9	125.3	126.6	122.2	114.6	115.1	107.6	89.1	87.1	109.5
400	137.4	131.6	132.0	127.9	119.9	108.8	111.9	98.4	88.2	118.0
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	104.7	101.3	98.6	101.3	101.7	96.4	87.9	80.5	69.1	99.8
120	104.8	106.8	111.0	118.5	111.2	105.0	96.6	86.0	73.3	105.0
130	91.2	93.2	96.3	96.0	94.7	93.7	91.5	86.3	73.2	90.5
140	87.7	90.6	91.0	85.4	72.4	70.3	79.1	86.2	70.2	83.1
300	105.9	103.1	100.9	98.4	94.3	97.2	90.9	80.2	80.5	92.5
400	114.6	108.1	106.5	105.2	98.5	90.7	94.1	86.3	77.4	98.1
All	101.7	100.5	101.3	103.3	98.6	96.9	91.2	84.1	75.5	95.9

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	31.2	27.8	25.4	26.8	21.2	19.6	19.0	10.5	6.7	26.6
120	26.4	25.4	24.9	24.3	22.3	20.5	18.1	9.6	6.0	21.3
130	26.2	26.1	23.3	24.2	21.9	21.8	18.5	9.1	6.4	18.5
140	21.9	23.3	22.5	20.1	21.4	21.3	18.3	10.8	8.5	20.4
300	23.0	22.2	25.7	23.7	20.3	17.8	16.7	8.9	6.6	17.0
400	22.7	23.5	25.5	22.8	21.4	18.0	17.8	12.1	10.8	19.9
All	25.7	24.6	24.1	22.9	21.7	20.0	17.8	9.7	7.1	20.2

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	23.0	21.5	20.5	20.9	17.3	16.9	17.7	11.5	8.8	21.0
120	20.1	19.2	18.3	17.0	16.7	16.4	15.8	10.0	7.6	16.9
130	22.3	21.9	19.5	20.1	18.8	18.8	16.8	9.5	8.0	17.0
140	20.0	20.5	19.8	19.1	22.8	23.3	18.8	11.2	10.8	19.7
300	17.9	17.7	20.3	19.4	17.7	15.5	15.5	10.0	7.6	15.5
400	16.5	17.9	19.3	17.8	17.9	16.6	15.9	12.3	12.2	16.8
All	20.2	19.7	19.2	18.2	18.0	17.1	16.3	10.4	8.6	17.4

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	6,544	8,643	2,376	749	858	628	968	464	733	21,964
120	10,467	25,948	16,846	12,018	40,852	22,254	17,965	7,508	8,351	162,208
130	1,529	2,434	1,790	2,218	4,910	3,763	12,962	4,135	3,391	37,130
140	6,276	21,491	15,533	8,529	16,585	5,348	9,157	4,540	4,852	92,312
300	4,671	8,809	4,225	3,878	14,721	7,630	20,230	9,771	10,465	84,399
400	2,564	4,566	2,683	3,545	8,952	4,436	6,597	2,562	2,359	38,264
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277

Gross area %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	29.8	39.3	10.8	3.4	3.9	2.9	4.4	2.1	3.3	5.0
120	6.5	16.0	10.4	7.4	25.2	13.7	11.1	4.6	5.1	37.2
130	4.1	6.6	4.8	6.0	13.2	10.1	34.9	11.1	9.1	8.5
140	6.8	23.3	16.8	9.2	18.0	5.8	9.9	4.9	5.3	21.2
300	5.5	10.4	5.0	4.6	17.4	9.0	24.0	11.6	12.4	19.3
400	6.7	11.9	7.0	9.3	23.4	11.6	17.2	6.7	6.2	8.8
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0

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Asls TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.203	0.232	0.053	0.013	0.026	0.039	0.095	0.041	0.056	0.758
110DT2	0.367	0.502	0.146	0.050	0.070	0.033	0.008	0.001	0.000	1.177
110DT3	0.320	0.381	0.095	0.033	0.009	0.000	0.001	0.000	0.000	0.840
120DT1	0.387	0.568	0.236	0.174	1.808	1.729	1.919	0.713	0.658	8.193
120DT2	0.626	1.722	1.292	1.090	3.433	1.055	0.139	0.004	0.004	9.365
120DT3	0.361	1.141	0.763	0.451	0.214	0.009	0.003	0.000	0.000	2.941
130DT1	0.039	0.042	0.015	0.028	0.203	0.235	1.374	0.392	0.269	2.598
130DT2	0.075	0.121	0.112	0.168	0.316	0.190	0.049	0.002	0.000	1.033
130DT3	0.066	0.127	0.087	0.070	0.053	0.009	0.004	0.000	0.001	0.417
140pDT1	0.037	0.101	0.073	0.082	0.292	0.173	0.753	0.426	0.377	2.313
140pDT2	0.202	0.538	0.333	0.289	0.895	0.272	0.134	0.014	0.004	2.681
140pDT3	0.449	1.809	1.357	0.529	0.369	0.045	0.004	0.000	0.001	4.564
300pDT1	0.068	0.126	0.092	0.076	0.519	0.346	1.781	0.809	0.861	4.678
300pDT2	0.213	0.414	0.178	0.235	0.940	0.488	0.367	0.057	0.027	2.918
300pDT3	0.321	0.563	0.264	0.163	0.228	0.044	0.029	0.004	0.023	1.641
400pDT1	0.033	0.066	0.059	0.071	0.322	0.247	0.662	0.243	0.206	1.909
400pDT2	0.170	0.282	0.175	0.301	0.674	0.214	0.072	0.009	0.002	1.900
400pDT3	0.149	0.253	0.120	0.081	0.078	0.021	0.004	0.000	0.000	0.707
All	4,083	8,992	5,450	3,905	10,448	5,151	7,397	2,717	2,490	50,633

Renovated TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.175	0.201	0.047	0.011	0.023	0.033	0.078	0.037	0.051	0.656
110DT2	0.301	0.416	0.121	0.041	0.058	0.027	0.007	0.000	0.000	0.972
110DT3	0.209	0.258	0.066	0.023	0.007	0.000	0.000	0.000	0.000	0.563
120DT1	0.331	0.492	0.206	0.153	1.536	1.458	1.618	0.642	0.609	7.045
120DT2	0.518	1.437	1.086	0.919	2.837	0.871	0.115	0.003	0.003	7.790
120DT3	0.248	0.843	0.578	0.352	0.171	0.007	0.002	0.000	0.000	2.201
130DT1	0.033	0.036	0.013	0.024	0.171	0.193	1.143	0.355	0.248	2.216
130DT2	0.061	0.100	0.092	0.137	0.254	0.153	0.040	0.002	0.000	0.838
130DT3	0.046	0.091	0.067	0.052	0.040	0.007	0.003	0.000	0.001	0.307
140pDT1	0.030	0.085	0.060	0.066	0.234	0.139	0.613	0.379	0.336	1.943
140pDT2	0.167	0.445	0.277	0.232	0.687	0.205	0.107	0.012	0.003	2.137
140pDT3	0.353	1.417	1.075	0.431	0.280	0.031	0.003	0.000	0.001	3.592
300pDT1	0.059	0.112	0.081	0.063	0.448	0.300	1.515	0.731	0.800	4.109
300pDT2	0.181	0.353	0.147	0.195	0.775	0.407	0.303	0.049	0.022	2.433
300pDT3	0.254	0.443	0.198	0.124	0.165	0.035	0.021	0.003	0.020	1.265
400pDT1	0.029	0.057	0.050	0.061	0.274	0.210	0.560	0.214	0.181	1.637
400pDT2	0.146	0.238	0.145	0.249	0.549	0.175	0.058	0.007	0.001	1.568
400pDT3	0.119	0.198	0.091	0.062	0.059	0.017	0.003	0.000	0.000	0.550
All	3,260	7,224	4,402	3,195	8,566	4,270	6,191	2,436	2,277	41,820

Saving TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.028	0.031	0.007	0.002	0.004	0.006	0.016	0.004	0.005	0.102
110DT2	0.065	0.086	0.025	0.008	0.012	0.006	0.002	0.001	0.000	0.205
110DT3	0.111	0.124	0.029	0.010	0.002	0.000	0.001	0.000	0.000	0.276
120DT1	0.056	0.077	0.030	0.022	0.273	0.271	0.300	0.071	0.050	1.148
120DT2	0.108	0.285	0.206	0.171	0.595	0.184	0.024	0.001	0.001	1.575
120DT3	0.112	0.298	0.185	0.099	0.043	0.002	0.001	0.000	0.000	0.740
130DT1	0.006	0.006	0.002	0.004	0.032	0.043	0.231	0.037	0.021	0.382
130DT2	0.014	0.022	0.020	0.032	0.062	0.037	0.008	0.000	0.000	0.196
130DT3	0.020	0.036	0.020	0.018	0.013	0.002	0.001	0.000	0.000	0.110
140pDT1	0.006	0.016	0.012	0.016	0.058	0.034	0.140	0.047	0.040	0.370
140pDT2	0.035	0.093	0.055	0.058	0.207	0.066	0.027	0.002	0.001	0.544
140pDT3	0.096	0.392	0.282	0.098	0.089	0.014	0.001	0.000	0.000	0.972
300pDT1	0.009	0.014	0.012	0.013	0.071	0.046	0.266	0.078	0.061	0.570
300pDT2	0.031	0.061	0.031	0.040	0.164	0.081	0.064	0.008	0.005	0.486
300pDT3	0.067	0.120	0.066	0.039	0.063	0.009	0.008	0.001	0.003	0.377
400pDT1	0.004	0.009	0.008	0.010	0.048	0.037	0.102	0.029	0.025	0.272
400pDT2	0.024	0.044	0.031	0.052	0.125	0.039	0.015	0.002	0.000	0.332
400pDT3	0.030	0.055	0.029	0.019	0.018	0.004	0.001	0.000	0.000	0.157
All	0.823	1,768	1,049	0.710	1,882	0.881	1,206	0.281	0.213	8,813

Basic invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	1,421.0	1,623.0	378.7	92.2	199.4	310.0	711.4	367.6	618.9	5,722.2
110DT2	2,759.7	3,804.9	1,088.6	399.4	604.7	310.8	75.4	10.0	0.0	9,053.4
110DT3	2,805.5	3,296.7	809.1	295.5	88.0	3.1	11.1	0.0	0.0	7,309.1
120DT1	2,620.5	3,975.3	1,660.9	1,266.2	14,172.2	13,962.4	14,529.3	6,698.9	6,720.0	65,605.6
120DT2	4,731.0	12,872.4	9,841.6	8,654.6	31,307.6	10,207.4	1,266.5	48.9	44.9	78,974.9
120DT3	3,106.7	9,316.0	6,292.3	3,929.4	2,078.7	88.9	26.8	2.9	6.8	24,848.6
130DT1	300.0	313.7	116.8	238.0	1,870.4	2,061.0	10,200.8	3,644.7	2,772.8	21,518.3
130DT2	620.4	986.4	972.2	1,663.5	3,375.5	2,080.2	448.3	22.0	0.4	10,168.9
130DT3	632.6	1,178.7	814.1	809.3	758.4	164.9	42.2	3.5	16.8	4,420.5
140pDT1	305.4	786.1	515.6	729.4	2,872.4	1,686.4	5,659.0	4,245.8	4,547.7	21,347.9
140pDT2	1,592.4	4,173.7	2,574.3	2,593.0	9,810.7	3,116.1	1,211.3	182.1	64.4	25,318.0
140pDT3	3,762.1	14,706.9	10,857.6	4,446.6	3,898.4	563.4	34.0	1.1	6.3	38,276.5
300pDT1	454.2	865.6	676.9	516.8	3,721.7	2,278.9	11,650.7	6,973.7	6,305.6	33,444.0
300pDT2	1,508.7	2,919.9	1,405.8	2,089.7	8,573.5	4,343.9	3,195.5	620.1	329.7	24,986.9
300pDT3	2,446.0	4,208.6	2,089.4	1,519.0	2,182.0	436.5	245.5	61.8	297.7	13,486.6
400pDT1	189.0	420.2	406.8	530.1	2,523.6	1,904.0	4,681.2	2,371.6	1,902.4	14,928.8
400pDT2	1,108.4	2,060.1	1,433.9	2,643.1	6,614.2	2,150.6	684.8	115.0	28.6	16,838.8
400pDT3	1,029.7	1,931.0	977.9	676.3	837.6	225.2	33.2	1.7	0.5	5,713.2
All	31,393.2	69,439.4	42,912.7	33,092.0	95,488.9	45,893.6	54,707.1	25,371.6	23,663.5	421,962.0

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Interest NPV factor	4.0 Lifetime	% p.a.
0.96	1.0	
1.89	2.0	
2.78	3.0	
3.63	4.0	
4.45	5.0	
5.24	6.0	
6.00	7.0	
6.73	8.0	
7.44	9.0	
8.11	10.0	
8.76	11.0	
9.39	12.0	
9.99	13.0	
10.56	14.0	
11.12	15.0	
11.65	16.0	
12.17	17.0	
12.66	18.0	
13.13	19.0	
13.59	20.0	
14.03	21.0	
14.45	22.0	
14.86	23.0	
15.25	24.0	
15.62	25.0	
15.98	26.0	
16.33	27.0	
16.66	28.0	
16.98	29.0	
17.29	30.0	
17.59	31.0	
17.87	32.0	
18.15	33.0	
18.41	34.0	
18.66	35.0	
18.91	36.0	
19.14	37.0	
19.37	38.0	
19.58	39.0	
19.79	40.0	
19.99	41.0	
20.19	42.0	
20.37	43.0	
20.55	44.0	
20.72	45.0	
20.88	46.0	
21.04	47.0	
21.20	48.0	
21.34	49.0	
21.48	50.0	
21.62	51.0	
21.75	52.0	
21.87	53.0	
21.99	54.0	
22.11	55.0	
22.22	56.0	
22.33	57.0	
22.43	58.0	
22.53	59.0	
22.62	60.0	

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016
110DT1	#####	#####	#####	#####	#####	#####	#####	#####	#####
110DT2	#####	#####	#####	#####	#####	#####	#####		
110DT3	#####	#####	#####	#####	#####				
120DT1	#####	#####	#####	#####	#####	#####	#####	#####	#####
120DT2	#####	#####	#####	#####	#####	#####	#####		
120DT3	#####	#####	#####	#####					
130DT1	#####	#####	#####	#####	#####	#####	#####	#####	#####
130DT2	#####	#####	#####	#####	#####	#####			
130DT3	#####	#####	#####	#####	#####				
140pDT1	#####			#####	#####	#####	#####	#####	#####
140pDT2	#####	#####	#####	#####	#####	#####	#####		
140pDT3	#####	#####	#####	#####	#####	#####			
300pDT1	#####	#####	#####	#####	#####	#####	#####	#####	#####
300pDT2	#####	#####	#####	#####	#####	#####	#####	#####	
300pDT3	#####	#####	#####	#####	#####				
400pDT1	#####	#####	#####	#####	#####	#####	#####	#####	#####
400pDT2	#####	#####	#####	#####	#####	#####	#####		
400pDT3	#####	#####	#####	#####	#####				

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.889	1,115	0.295	0.096	0.105	0.073	0.103	0.042	0.056	2,774
120	1.373	3,432	2,290	1,715	5,454	2,793	2,060	0.718	0.663	20,499
130	0.180	0.290	0.214	0.267	0.573	0.435	1,427	0.394	0.270	4,048
140	0.687	2,449	1,762	0.900	1,556	0.490	0.892	0.440	0.382	9,558
300	0.602	1,104	0.535	0.474	1,686	0.878	2,177	0.870	0.912	9,238
400	0.352	0.601	0.354	0.454	1,073	0.482	0.738	0.252	0.208	4,515
All	4,083	8,992	5,450	3,905	10,448	5,151	7,397	2,717	2,490	50,633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.685	0.875	0.234	0.076	0.087	0.061	0.085	0.037	0.051	2,191
120	1.097	2,772	1,870	1,424	4,544	2,336	1,735	0.646	0.612	17,037
130	0.139	0.227	0.172	0.213	0.465	0.353	1,187	0.357	0.248	3,361
140	0.550	1,947	1,413	0.728	1,201	0.376	0.724	0.391	0.340	7,671
300	0.495	0.908	0.426	0.382	1,388	0.742	1,839	0.784	0.843	7,806
400	0.294	0.494	0.286	0.373	0.881	0.402	0.621	0.221	0.183	3,755
All	3,260	7,224	4,402	3,195	8,566	4,270	6,191	2,436	2,277	41,820

Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.204	0.240	0.060	0.020	0.018	0.012	0.018	0.005	0.005	0,583
120	0.276	0.660	0.420	0.292	0.911	0.457	0.325	0.072	0.050	3,462
130	0.040	0.063	0.042	0.054	0.108	0.082	0.240	0.038	0.022	0,688
140	0.137	0.502	0.349	0.172	0.355	0.114	0.168	0.049	0.041	1,887
300	0.108	0.195	0.108	0.092	0.299	0.136	0.338	0.087	0.069	1,432
400	0.058	0.107	0.068	0.081	0.192	0.080	0.117	0.031	0.025	0,760
All	0.823	1,768	1,049	0.710	1,882	0.881	1,206	0.281	0.213	8,813

[illegible]

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	105.5	106.3	106.9	107.8	115.6	115.2	106.9	91.0	75.7	102.9	110
110DT2	128.8	121.6	118.3	119.4	123.1	116.6	104.3			123.0	110
110DT3	180.0	163.6	148.1	156.2	147.7					166.9	110
120DT1	109.7	111.7	116.4	121.4	129.9	126.4	114.5	95.5	79.2	113.5	120
120DT2	127.6	125.5	128.8	138.6	134.3	124.1	116.7			130.3	120
120DT3	177.2	160.0	159.3	166.1						162.1	120
130DT1	99.8	101.4	107.3	114.2	114.2	120.4	110.3	95.3	80.0	104.5	130
130DT2	114.3	112.5	116.2	117.2	120.0	113.1				115.7	130
130DT3	136.0	134.8	126.9	130.9	107.7					125.0	130
140pDT1	95.3			97.5	92.2	92.4	98.9	97.7	79.1	94.0	140
140pDT2	106.0	107.3	105.4	99.4	91.1	89.8	89.4			97.2	140
140pDT3	112.6	116.9	115.4	110.7	102.5	100.2				113.8	140
300pDT1	113.4	110.6	114.3	123.5	115.6	117.2	109.4	90.2	88.2	102.6	300
300pDT2	124.1	119.4	117.7	117.0	112.2	113.3	98.5	78.4		111.6	300
300pDT3	136.3	134.2	138.9	129.8	122.9					129.8	300
400pDT1	131.3	127.4	129.6	126.6	126.1	114.2	112.5	99.3	88.5	111.2	400
400pDT2	131.2	125.8	125.2	122.9	117.7	104.4	105.9			118.8	400
400pDT3	146.6	140.1	145.0	152.3	115.3					138.2	400
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1	All

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	90.8	91.8	92.8	93.5	98.3	97.6	88.6	81.4	69.1	88.8	110
110DT2	102.0	95.5	92.6	94.6	98.7	94.4	84.2			97.0	110
110DT3	105.7	91.4	82.4	86.7	87.0					95.0	110
120DT1	93.6	96.1	100.6	105.7	110.2	106.6	96.6	86.0	73.3	97.5	120
120DT2	102.7	100.8	105.8	113.6	108.5	101.5	96.2			105.8	120
120DT3	110.1	96.0	97.8	104.9						99.3	120
130DT1	83.7	86.0	93.2	95.7	95.9	98.6	91.8	86.3	73.6	89.1	130
130DT2	91.0	90.2	93.9	92.6	95.0	90.5				92.3	130
130DT3	90.1	86.4	85.3	83.7	70.1					82.0	130
140pDT1	78.8			78.3	73.5	74.3	80.5	86.9	70.6	78.8	140
140pDT2	87.4	88.0	87.1	76.9	69.0	67.5	71.4			76.6	140
140pDT3	86.4	86.6	84.1	78.8	68.7	66.6				83.0	140
300pDT1	98.1	98.2	99.0	102.0	99.4	101.5	93.1	81.5	82.0	90.0	300
300pDT2	104.9	100.4	95.4	94.5	91.1	94.2	81.2	67.5		92.0	300
300pDT3	105.2	99.9	96.1	90.3	84.2					94.8	300
400pDT1	114.8	110.5	109.5	108.3	107.2	97.0	95.2	87.4	77.7	95.3	400
400pDT2	111.8	104.7	101.0	98.0	94.2	85.0	84.2			96.4	400
400pDT3	111.5	104.2	98.4	98.8	81.0					99.8	400
All	98.6	94.7	94.6	96.5	96.4	96.6	91.1	84.0	75.5	93.0	All

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	14.7	14.6	14.0	14.3	17.3	17.6	18.2	9.5	6.7	14.1	110
110DT2	26.8	26.1	25.7	24.8	24.4	22.1	20.1			26.0	110
110DT3	74.3	72.2	65.6	69.6	60.8					71.9	110
120DT1	16.1	15.6	15.8	15.7	19.7	19.8	17.9	9.5	6.0	16.0	120
120DT2	24.9	24.6	23.0	25.0	25.8	22.5	20.4			24.6	120
120DT3	67.1	64.0	61.5	61.3						62.7	120
130DT1	16.1	15.5	14.1	18.6	18.2	21.8	18.5	9.0	6.4	15.4	130
130DT2	23.2	22.3	22.3	24.6	24.9	22.6				23.3	130
130DT3	45.9	48.3	41.6	47.3	37.6					43.0	130
140pDT1	16.5			19.2	18.7	18.1	18.4	10.9	8.5	15.2	140
140pDT2	18.6	19.3	18.2	22.4	22.2	22.3	18.1			20.7	140
140pDT3	26.2	30.3	31.3	31.9	33.8	33.7				30.7	140
300pDT1	15.3	12.4	15.2	21.5	16.1	15.7	16.3	8.7	6.3	12.6	300
300pDT2	19.2	19.0	22.3	22.5	21.1	19.1	17.3	11.0		19.7	300
300pDT3	31.1	34.3	42.7	39.5	38.7					35.0	300
400pDT1	16.6	16.9	20.1	18.3	18.9	17.2	17.3	11.9	10.8	16.0	400
400pDT2	19.4	21.1	24.2	24.9	23.4	19.4	21.7			22.4	400
400pDT3	35.1	35.8	46.6	53.4	34.3					38.4	400
All	28.8	30.4	30.8	29.7	23.9	20.4	17.8	9.7	7.1	23.0	All

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	13.9	13.7	13.1	13.2	15.0	15.3	17.1	10.5	8.8	13.7	110
110DT2	20.8	21.5	21.7	20.8	19.8	19.0	19.3			21.1	110
110DT3	41.3	44.2	44.3	44.5	41.1					43.1	110
120DT1	14.7	14.0	13.6	13.0	15.2	15.7	15.7	9.9	7.5	14.1	120
120DT2	19.5	19.6	17.9	18.0	19.2	18.2	17.5			18.8	120
120DT3	37.9	40.0	38.6	36.9						38.7	120
130DT1	16.1	15.2	13.1	16.2	16.0	18.1	16.8	9.5	8.0	14.8	130
130DT2	20.3	19.8	19.1	21.0	20.8	20.0				20.2	130
130DT3	33.8	35.9	32.8	36.1	34.9					34.4	130
140pDT1	17.3			19.7	20.3	19.6	18.6	11.1	10.7	16.1	140
140pDT2	17.6	18.0	17.3	22.6	24.3	24.8	20.2			21.3	140
140pDT3	23.3	25.9	27.2	28.8	33.0	33.6				27.0	140
300pDT1	13.5	11.2	13.3	17.4	14.0	13.4	14.9	9.6	7.1	12.2	300
300pDT2	15.5	15.9	18.9	19.3	18.8	16.9	17.5	14.0		17.6	300
300pDT3	22.8	25.6	30.8	30.4	31.5					27.0	300
400pDT1	12.6	13.3	15.5	14.5	15.0	15.1	15.4	12.0	12.2	14.3	400
400pDT2	14.8	16.8	19.3	20.3	19.9	18.6	20.5			18.9	400
400pDT3	23.9	25.6	32.2	35.1	29.7					27.8	400
All	22.6	24.3	24.6	23.5	19.9	17.4	16.4	10.4	8.6	19.8	All

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	1,921	2,86	499	120	228	340	885	450	733	7,362	110
110DT2	2,848	4,126	1,235	417	567	286	77	14	0	9,570	110
110DT3	1,775	2,331	642	213	63	2	6	0	0	5,032	110
120DT1	3,525	5,087	2,027	1,437	13,916	13,682	16,756	7,466	8,305	72,203	120
120DT2	4,906	13,726	10,030	7,869	25,556	8,505	1,190	40	38	71,861	120
120DT3	2,036	7,134	4,788	2,713	1,380	66	19	2	8	18,145	120
130DT1	388	412	143	245	1,780	1,954	12,459	4,115	3,366	24,862	130
130DT2	658	1,078	961	1,437	2,636	1,678	466	18	1	8,933	130
130DT3	482	944	686	535	494	131	37	3	24	3,336	130
140pDT1	384	1,002	619	839	3,163	1,870	7,617	4,361	4,766	24,621	140
140pDT2	1,903	5,015	3,157	2,913	9,816	3,026	1,502	178	61	27,571	140
140pDT3	3,988	15,474	11,757	4,777	3,605	451	39	2	25	40,119	140
300pDT1	603	1,143	808	614	4,489	2,952	16,271	8,963	9,762	45,607	300
300pDT2	1,712	3,468	1,516	2,005	8,376	4,305	3,726	731	304	26,143	300
300pDT3	2,356	4,197	1,901	1,258	1,856	372	233	77	398	12,649	300
400pDT1	252	515	453	562	2,552	2,162	5,883	2,450	2,332	17,161	400
400pDT2	1,294	2,243	1,401	2,448	5,727	2,053	684	111	26	15,988	400
400pDT3	1,017	1,808	829	535	673	220	30	2	1	5,114	400
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277	All

DT1,2,3 % of gross area	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	29.3	25.3	21.0	16.0	26.6	54.2	91.4	97.0	100.0	33.5	110
110DT2	43.5	47.7	52.0	55.6	66.1	45.5	8.0	3.0	0.0	43.6	110
110DT3	27.1	27.0	27.0	28.4	7.3	0.3	0.6	0.0	0.0	22.9	110
120DT1	33.7	19.6	12.0	12.0	34.1	61.5	93.3	99.4	99.5	44.5	120
120DT2	46.9	52.9	59.5	65.5	62.6	38.2	6.6	0.5	0.5	44.3	120
120DT3	19.5	27.5	28.4	22.6	3.4	0.3	0.1	0.0	0.1	11.2	120
130DT1	25.4	16.9	8.0	11.1	36.2	51.9	96.1	99.5	99.3	67.0	130
130DT2	43.1	44.3	53.7	64.8	53.7	44.6	3.6	0.4	0.0	24.1	130
130DT3	31.5	38.8	38.3	24.1	10.1	3.5	0.3	0.1	0.7	9.0	130
140pDT1	6.1	4.7	4.0	9.8	19.1	35.0	83.2	96.0	98.2	26.7	140
140pDT2	30.3	23.3	20.3	34.2	59.2	56.6	16.4	3.9	1.3	29.9	140
140pDT3	63.6	72.0	75.7	56.0	21.7	8.4	0.4	0.0	0.5	43.5	140
300pDT1	12.9	13.0	19.1	15.8	30.5	38.7	80.4	91.7	93.3	54.0	300
300pDT2	36.7	39.4	35.9	51.7	56.9	56.4	18.4	7.5	2.9	31.0	300
300pDT3	50.4	47.7	45.0	32.5	12.6	4.9	1.2	0.8	3.8	15.0	300
400pDT1	9.8	11.3	16.9	15.9	28.5	48.8	89.2	95.6	98.9	44.8	400
400pDT2	50.5	49.1	52.2	69.1	64.0	46.3	10.4	4.3	1.1	41.8	400
400pDT3	39.7	39.6	30.9	15.1	7.5	5.0	0.4	0.1	0.0	13.4	400
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0	All

AsIS Dimensioning W/m²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	36	37	37	37	40	40	37	32	28	36	110
110DT2	51	49	48	48	50	48	44			49	110
110DT3	80	74	69	72	70					75	110
120DT1	38	39	40	42	45	44	40	34	29	40	120
120DT2	51	50	52	56	55	51	48			53	120
120DT3	79	73	74	77						75	120
130DT1	34	35	37	39	40	42	38	34	29	36	130
130DT2	46	45	47	48	50	48				48	130
130DT3	64	63	61	64	57					61	130
140pDT1	33			34	33	33	34	35	29	33	140
140pDT2	43	44	43	42	40	39	38			41	140
140pDT3	51	53	52	52	50	49				52	140
300pDT1	42	41	43	46	43	43	41	36	35	39	300
300pDT2	54	52	52	52	50	50	45	40		50	300
300pDT3	64	63	65	63	59					61	300
400pDT1	49	48	49	48	49	45	44	41	36	44	400
400pDT2	58	57	57	56	55	50	51			55	400
400pDT3	69	67	69	72	61					67	400
All	53	53	54	54	49	46	40	35	32	47	All

Renovated Dimensioning W/m²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	31	32	32	33	34	34	31	29	26	31	110
110DT2	41	40	39	40	41	40	36			40	110
110DT3	52	47	44	46	46					48	110
120DT1	32	33	35	37	39	37	34	31	27	34	120
120DT2	42	42	43	47	46	43	41			44	120
120DT3	53	49	50	53						50	120
130DT1	29	30	32	34	34	35	32	31	27	31	130
130DT2	38	37	39	39	41	39				39	130
130DT3	46	45	45	45	41					44	130
140pDT1	28			28	27	27	28	31	26	28	140
140pDT2	37	37	37	34	32	31	31			34	140
140pDT3	41	41	41	40	37	37				41	140
300pDT1	37	37	38	39	38	38	36	33	33	35	300
300pDT2	47	45	44	44	43	43	39	36		43	300
300pDT3	52	50	50	48	45					49	300
400pDT1	44	43	43	42	42	39	38	37	34	39	400
400pDT2	51	49	48	47	46	43	43			47	400
400pDT3	56	54	52	53	48					53	400
All	42	42	43	43	41	39	34	32	30	39	All

ECONOMY

Basic invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	740	743	759	770	874	911	804	816	844	777	110
110DT2	969	922	881	959	1,066	1,088	973			946	110
110DT3	1,580	1,414	1,260	1,387	1,405					1,452	110
120DT1	743	781	819	881	1,018	1,020	867	897	809	909	120
120DT2	964	938	981	1,100	1,225	1,200	1,064			1,099	120
120DT3	1,526	1,306	1,314	1,449						1,369	120
130DT1	772	762	814	971	1,051	1,055	819	886	824	866	130
130DT2	942	915	1,012	1,157	1,280	1,240				1,138	130
130DT3	1,313	1,248	1,187	1,512	1,535					1,325	130
140pDT1	795			869	908	902	743	974	954	867	140
140pDT2	837	832	816	890	999	1,030	807			918	140
140pDT3	943	950	923	931	1,081	1,248				954	140
300pDT1	753	757	837	841	829	772	716	778	646	733	300
300pDT2	881	842	928	1,042	1,024	1,009	858	848		956	300
300pDT3	1,038	1,003	1,099	1,207	1,175					1,066	300
400pDT1	749	816	899	942	989	880	796	968	816	870	400
400pDT2	856	919	1,023	1,080	1,155	1,048	1,000			1,053	400
400pDT3	1,012	1,068	1,179	1,265	1,246					1,117	400
All	979	966	988	1,070	1,099	1,042	806	875	785	967	All

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	0	1	1	1	1	0	0	1	0	1	110
110DT2	8	12	12	9	7	1	0			10	110
110DT3	27	43	47	52	56					38	110
120DT1	0	1	2	1	0	0	0	0	0	0	120
120DT2	6	8	6	7	6	2	1			6	120
120DT3	26	49	51	55						49	120
130DT1	0	1	1	5	0	0	0	0	0	0	130
130DT2	3	5	4	6	3	1				3	130
130DT3	12	23	28	29	24					22	130
140pDT1	0			0	1	0	0	0	0	0	140
140pDT2	1	2	2	7	3	1	0			2	140
140pDT3	5	11	17	26	19	7				14	140
300pDT1	0	0	2	0	1	0	0	0	0	0	300
300pDT2	2	3	4	6	3	1	0	0		2	300
300pDT3	6	12	17	17	10					11	300
400pDT1	1	0	3	1	0	0	0	0	0	0	400
400pDT2	2	3	5	8	4	1	0			4	400
400pDT3	11	12	23	37	15					16	400
All	7	13	15	15	5	1	0	0	0	6	All

Energy DKK/(kWh/year)	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	0.03	0.06	0.08	0.08	0.06	0.00	0.00	0.11	0.00	0.04	110
110DT2	0.32	0.45	0.48	0.38	0.30	0.05	0.00			0.38	110
110DT3	0.36	0.60	0.72	0.75	0.93					0.54	110
120DT1	0.03	0.07	0.13	0.08	0.01	0.00	0.00	0.00	0.00	0.01	120
120DT2	0.26	0.34	0.25	0.29	0.23	0.11	0.05			0.25	120
120DT3	0.39	0.77	0.83	0.89						0.78	120
130DT1	0.02	0.06	0.04	0.28	0.01	0.00	0.00	0.00	0.00	0.01	130
130DT2	0.14	0.22	0.17	0.23	0.12	0.06				0.14	130
130DT3	0.25	0.49	0.67	0.62	0.64					0.52	130
140pDT1	0.00			0.02	0.04	0.00	0.00	0.00	0.00	0.01	140
140pDT2	0.04	0.09	0.09	0.29	0.13	0.03	0.02			0.11	140
140pDT3	0.18	0.35	0.53	0.81	0.57	0.21				0.47	140
300pDT1	0.00	0.01	0.11	0.00	0.05	0.00	0.00	0.00	0.00	0.01	300
300pDT2	0.10	0.15	0.18	0.27	0.16	0.05	0.01	0.00		0.12	300
300pDT3	0.18	0.35	0.40	0.44	0.26					0.32	300
400pDT1	0.03	0.03	0.16	0.04	0.01	0.01	0.00	0.00	0.00	0.01	400
400pDT2	0.09	0.16	0.21	0.32	0.16	0.03	0.02			0.17	400
400pDT3	0.31	0.33	0.50	0.69	0.42					0.42	400
All	0.24	0.42	0.48	0.50	0.22	0.04	0.01	0.00	0.00	0.27	All

Annualised Energy DKK/kWh	Interest p1 -1890	4.0 % p.a. p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110
110DT2	0.01	0.02	0.02	0.02	0.01	0.00	0.00			0.02	110
110DT3	0.02	0.03	0.03	0.03	0.04					0.02	110
120DT1	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120
120DT2	0.01	0.02	0.01	0.01	0.01	0.00	0.00			0.01	120
120DT3	0.02	0.03	0.04	0.04						0.03	120
130DT1	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	130
130DT2	0.01	0.01	0.01	0.01	0.01	0.00				0.01	130
130DT3	0.01	0.02	0.03	0.03	0.03					0.02	130
140pDT1	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	140
140pDT2	0.00	0.00	0.00	0.01	0.01	0.00	0.00			0.01	140
140pDT3	0.01	0.02	0.02	0.02	0.03	0.01				0.02	140
300pDT1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	300
300pDT2	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00		0.01	300
300pDT3	0.01	0.02	0.02	0.02	0.01					0.01	300
400pDT1	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	400
400pDT2	0.00	0.01	0.01	0.01	0.01	0.00	0.00			0.01	400
400pDT3	0.01	0.01	0.02	0.03	0.02					0.02	400
All	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01	All

Investments per building category

	Basis DKK million	Energy DKK million	Basis Annual investment	Energy DKK million/year
110	22,085	294	1,213	13
120	169,429	1,337	9,397	59
130	36,108	106	2,022	5
140p	84,942	647	4,818	29
300p	71,917	210	3,999	9
400p	37,481	146	2,078	6
All	421.962	2.739	23.528	121

Energy	Energy
NPV factor	Lifetime
22.6	60
22.6	59
22.6	59
22.6	60
22.6	59
22.6	60
22.6	60

Energy cost DKK/m ² per year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	0.02	0.04	0.05	0.05	0.05	0.00	0.00	0.04	0.00	0.03	110
110DT2	0.37	0.51	0.54	0.41	0.32	0.04	0.00			0.44	110
110DT3	1.19	1.91	2.09	2.31	2.49					1.70	110
120DT1	0.02	0.05	0.09	0.06	0.01	0.00	0.00	0.00	0.00	0.01	120
120DT2	0.28	0.37	0.25	0.32	0.27	0.11	0.05			0.27	120
120DT3	1.17	2.16	2.26	2.42						2.15	120
130DT1	0.01	0.04	0.03	0.23	0.01	0.00	0.00	0.00	0.00	0.00	130
130DT2	0.14	0.22	0.17	0.25	0.13	0.06				0.14	130
130DT3	0.51	1.04	1.24	1.29	1.07					0.99	130
140pDT1	0.00			0.02	0.03	0.00	0.00	0.00	0.00	0.01	140
140pDT2	0.04	0.07	0.07	0.29	0.12	0.03	0.02			0.10	140
140pDT3	0.21	0.47	0.74	1.14	0.86	0.31				0.64	140
300pDT1	0.00	0.01	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.01	300
300pDT2	0.08	0.12	0.18	0.27	0.15	0.04	0.01	0.00		0.11	300
300pDT3	0.25	0.53	0.75	0.77	0.45					0.49	300
400pDT1	0.02	0.02	0.14	0.03	0.01	0.01	0.00	0.00	0.00	0.01	400
400pDT2	0.08	0.15	0.22	0.36	0.17	0.03	0.02			0.16	400
400pDT3	0.48	0.52	1.03	1.64	0.64					0.72	400
All	0.30	0.56	0.66	0.66	0.23	0.04	0.01	0.00	0.00	0.28	All

Lifetime Year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	ps Total	
110DT1	60	60	60	60	60	#####	#####	59	#####	#####	110
110DT2	60	60	60	60	60	59	#####			#####	110
110DT3	60	60	60	59	60					#####	110
120DT1	60	59	60	60	60	59	60	60	60	60	120
120DT2	60	60	60	60	59	59	60			#####	120
120DT3	60	60	60	60	60					#####	120
130DT1	60	60	60	60	60	60	60	#####	#####	#####	130
130DT2	60	60	60	60	60	60				#####	130
130DT3	59	60	60	60	60					#####	130
140pDT1	60			60	60	60	60	60	#####	#####	140
140pDT2	60	60	60	60	59	60	60			#####	140
140pDT3	60	60	60	60	60	60				#####	140
300pDT1	60	60	60	60	60	59	60	60	#####	#####	300
300pDT2	60	60	60	60	60	60	60	60		#####	300
300pDT3	60	60	60	59	60					#####	300
400pDT1	60	60	60	60	60	60	60	59	60	60	400
400pDT2	60	60	60	60	60	60	59			#####	400
400pDT3	60	60	60	60	59					#####	400
All	60	60	60	60	60	#####	#####	#####	#####	#####	All

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	135.9	129.1	124.0	128.0	122.9	116.0	106.9	91.0	75.7	126.3
120	131.2	132.3	136.0	142.7	133.5	125.5	114.7	95.6	79.3	126.4
130	117.5	119.3	119.6	120.2	116.6	115.5	110.1	95.3	79.6	109.0
140	109.5	114.0	113.5	105.5	93.8	91.6	97.4	97.0	78.7	103.5
300	128.9	125.3	126.6	122.2	114.6	115.1	107.6	89.1	87.1	109.5
400	137.4	131.6	132.0	127.9	119.9	108.8	111.9	98.4	88.2	118.0
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	99.7	93.4	89.9	92.2	97.7	96.1	87.9	80.0	69.1	93.8
120	101.1	98.6	102.9	110.7	108.7	104.6	96.6	86.0	73.3	101.3
130	88.9	88.0	90.6	90.8	92.9	93.5	91.5	86.3	73.2	89.2
140	86.2	86.8	85.1	78.1	69.8	69.8	79.0	86.2	70.2	80.0
300	104.2	99.9	96.4	94.3	92.8	97.0	90.8	80.2	80.5	91.3
400	112.0	105.2	101.6	99.8	96.9	90.5	94.0	86.3	77.4	96.3
All	98.6	94.7	94.6	96.5	96.4	96.6	91.1	84.0	75.5	93.0

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	36.1	35.6	34.0	35.8	25.2	19.9	19.0	11.0	6.7	32.5
120	30.1	33.7	33.1	32.1	24.8	20.9	18.1	9.6	6.0	25.0
130	28.6	31.2	29.0	29.4	23.8	22.0	18.5	9.1	6.4	19.8
140	23.3	27.1	28.3	27.4	24.0	21.8	18.4	10.8	8.5	23.6
300	24.7	25.4	30.1	27.9	21.8	18.1	16.8	8.9	6.6	18.1
400	25.4	26.5	30.4	28.2	22.9	18.3	17.9	12.1	10.8	21.6
All	28.8	30.4	30.8	29.7	23.9	20.4	17.8	9.7	7.1	23.0

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	26.6	27.6	27.5	28.0	20.5	17.2	17.7	12.1	8.8	25.8
120	23.0	25.5	24.3	22.5	18.6	16.7	15.8	10.0	7.6	19.8
130	24.3	26.2	24.3	24.5	20.4	19.0	16.8	9.5	8.0	18.2
140	21.3	23.8	25.0	26.0	25.6	23.8	18.9	11.2	10.8	22.8
300	19.2	20.3	23.8	22.8	19.0	15.7	15.6	10.0	7.6	16.6
400	18.5	20.1	23.0	22.0	19.1	16.8	16.0	12.3	12.3	18.3
All	22.6	24.3	24.6	23.5	19.9	17.4	16.4	10.4	8.6	19.8

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	6,544	8,643	2,376	749	858	628	968	464	733	21,964
120	10,467	25,948	16,846	12,018	40,852	22,254	17,965	7,508	8,351	162,208
130	1,529	2,434	1,790	2,218	4,910	3,763	12,962	4,135	3,391	37,130
140	6,276	21,491	15,533	8,529	16,585	5,348	9,157	4,540	4,852	92,312
300	4,671	8,809	4,225	3,878	14,721	7,630	20,230	9,771	10,465	84,399
400	2,564	4,566	2,683	3,545	8,952	4,436	6,597	2,562	2,359	38,264
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277

Gross area %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	29.8	39.3	10.8	3.4	3.9	2.9	4.4	2.1	3.3	5.0
120	6.5	16.0	10.4	7.4	25.2	13.7	11.1	4.6	5.1	37.2
130	4.1	6.6	4.8	6.0	13.2	10.1	34.9	11.1	9.1	8.5
140	6.8	23.3	16.8	9.2	18.0	5.8	9.9	4.9	5.3	21.2
300	5.5	10.4	5.0	4.6	17.4	9.0	24.0	11.6	12.4	19.3
400	6.7	11.9	7.0	9.3	23.4	11.6	17.2	6.7	6.2	8.8
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0

ECONOMY

Basic invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	6,986	8,725	2,276	787	892	624	798	378	619	22,085
120	10,458	26,164	17,795	13,850	47,559	24,259	15,823	6,751	6,772	169,429
130	1,553	2,479	1,903	2,711	6,004	4,306	10,691	3,670	2,790	36,108
140	5,660	19,667	13,948	7,769	16,582	5,366	6,904	4,429	4,618	84,942
300	4,409	7,994	4,172	4,125	14,477	7,059	15,092	7,656	6,933	71,917
400	2,327	4,411	2,819	3,850	9,975	4,280	5,399	2,488	1,931	37,481
All	31,393	69,439	42,913	33,092	95,489	45,894	54,707	25,372	23,664	421,962

Energy invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	73	151	46	15	8	0	0	0	0	294
120	86	471	306	207	240	24	2	0	0	1,337
130	8	28	23	25	20	2	0	0	0	106
140	20	175	203	142	100	5	2	0	0	647
300	16	60	40	34	51	5	4	0	0	210
400	14	29	28	40	32	2	1	0	0	146
All	217	913	646	463	451	39	9	1	0	2,739

Energy invest. DKK/m²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	11	17	19	20	9	1	0	1	0	13
120	8	18	18	17	6	1	0	0	0	8
130	5	11	13	11	4	1	0	0	0	3
140	3	8	13	17	6	1	0	0	0	7
300	3	7	9	9	3	1	0	0	0	2
400	5	6	10	11	4	0	0	0	0	4
All	7	13	15	15	5	1	0	0	0	6

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.19	0.29	0.32	0.34	0.15	0.01	0.00	0.02	#####	#####
120	0.14	0.30	0.30	0.29	0.10	0.02	0.00	0.00	#####	#####
130	0.08	0.19	0.21	0.19	0.07	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#####
140	0.05	0.14	0.22	0.28	0.10	0.02	0.00	0.00	0.00	0.12
300	0.06	0.11	0.16	0.15	0.06	0.01	0.00	#VALUE!	#VALUE!	#####
400	0.09	0.11	0.17	0.19	0.06	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#####
All	0.11	0.21	0.25	0.25	0.09	#####	#####	#####	#####	#####

Annualised Energy cost DKK million/year	Interest p1 -1890	4.0 p2 1890-1929	% p.a. p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	3.2	6.7	2.0	0.7	0.3	0.0	0.0	0.0	0.0	13
120	3.8	20.8	13.5	9.2	10.6	1.1	0.1	0.0	0.0	59
130	0.3	1.2	1.0	1.1	0.9	0.1	0.0	0.0	0.0	5
140	0.9	7.7	9.0	6.3	4.4	0.2	0.1	0.0	0.0	29
300	0.7	2.7	1.8	1.5	2.2	0.2	0.2	0.0	0.0	9
400	0.6	1.3	1.2	1.8	1.4	0.1	0.1	0.0	0.0	6
All	10	40	29	20	20	2	0	0	0	121

Energy cost DKK/m² per year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.49	0.77	0.86	0.89	0.41	0.03	0.00	0.04	0.00	0.59
120	0.36	0.80	0.80	0.76	0.26	0.05	0.01	0.00	0.00	0.36
130	0.22	0.51	0.57	0.50	0.18	0.03	0.00	0.00	0.00	0.13
140	0.14	0.36	0.58	0.74	0.27	0.04	0.01	0.00	0.00	0.31
300	0.15	0.30	0.41	0.39	0.15	0.03	0.01	0.00	0.00	0.11
400	0.23	0.28	0.46	0.50	0.16	0.02	0.01	0.00	0.00	0.17
All	0.30	0.56	0.66	0.66	0.23	0.04	0.01	0.00	0.00	0.28

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.01	0.02	0.03	0.02	0.02	0.00	0.00	0.00	0.00	0.02
120	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01
130	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01
140	0.01	0.01	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.01
300	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
400	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01
All	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01

Lifetime year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	60	60	60	60	60	60	#####	60	#####	60
120	60	60	60	60	60	60	60	60	60	59
130	60	60	60	60	60	59	60	60	#####	60
140	60	60	60	60	60	60	60	60	#####	60
300	60	59	60	59	60	60	60	60	#####	60
400	60	59	60	60	59	60	60	59	60	60
All	60	60	60	59	60	60	60	60	60	60

Asls TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.203	0.232	0.053	0.013	0.026	0.039	0.095	0.041	0.056	0.758
110DT2	0.367	0.502	0.146	0.050	0.070	0.033	0.008	0.001	0.000	1,177
110DT3	0.320	0.381	0.095	0.033	0.009	0.000	0.001	0.000	0.000	0.840
120DT1	0.387	0.568	0.236	0.174	1.808	1.729	1.919	0.713	0.658	8,193
120DT2	0.626	1.722	1.292	1.090	3.433	1.055	0.139	0.004	0.004	9,365
120DT3	0.361	1.141	0.763	0.451	0.214	0.009	0.003	0.000	0.000	2,941
130DT1	0.039	0.042	0.015	0.028	0.203	0.235	1.374	0.392	0.269	2,598
130DT2	0.075	0.121	0.112	0.168	0.316	0.190	0.049	0.002	0.000	1,033
130DT3	0.066	0.127	0.087	0.070	0.053	0.009	0.004	0.000	0.001	0,417
140pDT1	0.037	0.101	0.073	0.082	0.292	0.173	0.753	0.426	0.377	2,313
140pDT2	0.202	0.538	0.333	0.289	0.895	0.272	0.134	0.014	0.004	2,681
140pDT3	0.449	1.809	1.357	0.529	0.369	0.045	0.004	0.000	0.001	4,564
300pDT1	0.068	0.126	0.092	0.076	0.519	0.346	1.781	0.809	0.861	4,678
300pDT2	0.213	0.414	0.178	0.235	0.940	0.488	0.367	0.057	0.027	2,918
300pDT3	0.321	0.563	0.264	0.163	0.228	0.044	0.029	0.004	0.023	1,641
400pDT1	0.033	0.066	0.059	0.071	0.322	0.247	0.662	0.243	0.206	1,909
400pDT2	0.170	0.282	0.175	0.301	0.674	0.214	0.072	0.009	0.002	1,900
400pDT3	0.149	0.253	0.120	0.081	0.078	0.021	0.004	0.000	0.000	0,707
All	4,083	8,992	5,450	3,905	10,448	5,151	7,397	2,717	2,490	50,633

Renovated TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.174	0.201	0.046	0.011	0.022	0.033	0.078	0.037	0.051	0.654
110DT2	0.290	0.394	0.114	0.039	0.056	0.027	0.007	0.000	0.000	0.928
110DT3	0.188	0.213	0.053	0.018	0.005	0.000	0.000	0.000	0.000	0.478
120DT1	0.330	0.489	0.204	0.152	1.534	1.458	1.618	0.642	0.609	7,036
120DT2	0.504	1.384	1.061	0.894	2.774	0.863	0.115	0.003	0.003	7,601
120DT3	0.224	0.685	0.468	0.284	0.133	0.006	0.002	0.000	0.000	1,802
130DT1	0.033	0.035	0.013	0.023	0.171	0.193	1.143	0.355	0.248	2,214
130DT2	0.060	0.097	0.090	0.133	0.251	0.152	0.040	0.002	0.000	0.825
130DT3	0.043	0.082	0.058	0.045	0.035	0.007	0.003	0.000	0.001	0,274
140pDT1	0.030	0.085	0.059	0.066	0.233	0.139	0.613	0.379	0.336	1,940
140pDT2	0.166	0.441	0.275	0.224	0.677	0.204	0.107	0.012	0.003	2,111
140pDT3	0.345	1.340	0.988	0.376	0.248	0.030	0.003	0.000	0.001	3,331
300pDT1	0.059	0.112	0.080	0.063	0.446	0.300	1.515	0.731	0.800	4,106
300pDT2	0.180	0.348	0.145	0.189	0.763	0.405	0.303	0.049	0.022	2,405
300pDT3	0.248	0.419	0.183	0.114	0.156	0.035	0.020	0.003	0.020	1,199
400pDT1	0.029	0.057	0.050	0.061	0.274	0.210	0.560	0.214	0.181	1,635
400pDT2	0.145	0.235	0.142	0.240	0.540	0.174	0.058	0.007	0.001	1,541
400pDT3	0.113	0.188	0.082	0.053	0.054	0.017	0.002	0.000	0.000	0,510
All	3,161	6,806	4,111	2,986	8,372	4,254	6,187	2,436	2,277	40,590

Saving TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.028	0.032	0.007	0.002	0.004	0.006	0.016	0.004	0.005	0.104
110DT2	0.076	0.108	0.032	0.010	0.014	0.006	0.002	0.001	0.000	0.249
110DT3	0.132	0.168	0.042	0.015	0.004	0.000	0.001	0.000	0.000	0.362
120DT1	0.057	0.080	0.032	0.023	0.274	0.271	0.300	0.071	0.050	1.157
120DT2	0.122	0.338	0.231	0.197	0.659	0.192	0.024	0.001	0.001	1.764
120DT3	0.137	0.456	0.295	0.166	0.080	0.003	0.001	0.000	0.000	1.138
130DT1	0.006	0.006	0.002	0.005	0.032	0.043	0.231	0.037	0.021	0.384
130DT2	0.015	0.024	0.021	0.035	0.066	0.038	0.008	0.000	0.000	0.208
130DT3	0.022	0.046	0.029	0.025	0.019	0.002	0.001	0.000	0.000	0.143
140pDT1	0.006	0.016	0.014	0.016	0.059	0.034	0.140	0.047	0.040	0.373
140pDT2	0.035	0.097	0.058	0.065	0.218	0.067	0.027	0.002	0.001	0.570
140pDT3	0.104	0.469	0.369	0.152	0.122	0.015	0.002	0.000	0.000	1.233
300pDT1	0.009	0.014	0.012	0.013	0.072	0.046	0.266	0.078	0.061	0.572
300pDT2	0.033	0.066	0.034	0.045	0.176	0.082	0.064	0.008	0.005	0.514
300pDT3	0.073	0.144	0.081	0.050	0.072	0.009	0.009	0.001	0.003	0.443
400pDT1	0.004	0.009	0.009	0.010	0.048	0.037	0.102	0.029	0.025	0.274
400pDT2	0.025	0.047	0.034	0.061	0.134	0.040	0.015	0.002	0.000	0.358
400pDT3	0.036	0.065	0.039	0.029	0.023	0.004	0.001	0.000	0.000	0.196
All	0.922	2,185	1,339	0.919	2,076	0.897	1,210	0.282	0.213	10,043

Basic invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	1,421.0	1,623.0	378.7	92.2	199.4	310.0	711.4	367.6	618.9	5,722.2
110DT2	2,759.7	3,804.9	1,088.6	399.4	604.7	310.8	75.4	10.0	0.0	9,053.4
110DT3	2,805.5	3,296.7	809.1	295.5	88.0	3.1	11.1	0.0	0.0	7,309.1
120DT1	2,620.5	3,975.3	1,660.9	1,266.2	14,172.2	13,962.4	14,529.3	6,698.9	6,720.0	65,605.6
120DT2	4,731.0	12,872.4	9,841.6	8,654.6	31,307.6	10,207.4	1,266.5	48.9	44.9	78,974.9
120DT3	3,106.7	9,316.0	6,292.3	3,929.4	2,078.7	88.9	26.8	2.9	6.8	24,848.6
130DT1	300.0	313.7	116.8	238.0	1,870.4	2,061.0	10,200.8	3,644.7	2,772.8	21,518.3
130DT2	620.4	986.4	972.2	1,663.5	3,375.5	2,080.2	448.3	22.0	0.4	10,168.9
130DT3	632.6	1,178.7	814.1	809.3	758.4	164.9	42.2	3.5	16.8	4,420.5
140pDT1	305.4	786.1	515.6	729.4	2,872.4	1,686.4	5,659.0	4,245.8	4,547.7	21,347.9
140pDT2	1,592.4	4,173.7	2,574.3	2,593.0	9,810.7	3,116.1	1,211.3	182.1	64.4	25,318.0
140pDT3	3,762.1	14,706.9	10,857.6	4,446.6	3,898.4	563.4	34.0	1.1	6.3	38,276.5
300pDT1	454.2	865.6	676.9	516.8	3,721.7	2,278.9	11,650.7	6,973.7	6,305.6	33,444.0
300pDT2	1,508.7	2,919.9	1,405.8	2,089.7	8,573.5	4,343.9	3,195.5	620.1	329.7	24,986.9
300pDT3	2,446.0	4,208.6	2,089.4	1,519.0	2,182.0	436.5	245.5	61.8	297.7	13,486.6
400pDT1	189.0	420.2	406.8	530.1	2,523.6	1,904.0	4,681.2	2,371.6	1,902.4	14,928.8
400pDT2	1,108.4	2,060.1	1,433.9	2,643.1	6,614.2	2,150.6	684.8	115.0	28.6	16,838.8
400pDT3	1,029.7	1,931.0	977.9	676.3	837.6	225.2	33.2	1.7	0.5	5,713.2
All	31,393.2	69,439.4	42,912.7	33,092.0	95,488.9	45,893.6	54,707.1	25,371.6	23,663.5	421,962.0

Energy invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.9	2.0	0.5	0.1	0.2	0.0	0.0	0.5	0.0	4.3
110DT2	24.1	48.1	15.1	3.9	4.1	0.3	0.0	0.0	0.0	95.6
110DT3	48.0	100.5	30.4	11.1	3.5	0.2	0.0	0.0	0.0	193.7
120DT1	1.4	5.7	4.2	1.9	3.4	0.6	0.1	0.0	0.0	17.3
120DT2	31.2	115.7	57.0	56.7	153.3	20.7	1.3	0.0	0.2	436.1
120DT3	53.7	349.2	244.9	148.5	83.5	2.6	0.7	0.2	0.0	883.2
130DT1	0.1	0.4	0.1	1.3	0.4	0.0	0.0	0.0	0.0	2.3
130DT2	2.1	5.3	3.7	8.0	7.8	2.1	0.2	0.0	0.0	29.3
130DT3	5.5	22.1	19.2	15.7	11.9	0.0	0.0	0.0	0.0	74.5
140pDT1	0.0	0.2	2.4	0.3	2.4	0.0	0.1	0.0	0.0	5.4
140pDT2	1.6	8.5	5.0	19.0	27.7	2.0	0.6	0.1	0.0	64.5
140pDT3	18.7	165.9	196.1	123.0	69.8	3.1	0.8	0.0	0.0	577.5
300pDT1	0.0	0.1	1.3	0.1	3.8	0.1	0.1	0.0	0.0	5.6
300pDT2	3.1	9.5	6.1	12.2	28.1	4.0	0.7	0.0	0.0	63.8
300pDT3	13.1	50.4	32.3	21.8	18.8	0.7	3.1	0.0	0.0	140.2
400pDT1	0.1	0.2	1.4	0.4	0.4	0.5	0.2	0.0	0.0	3.3
400pDT2	2.2	7.7	6.9	19.7	21.5	1.3	0.3	0.0	0.0	59.7
400pDT3	11.1	21.4	19.3	19.8	9.8	0.4	0.9	0.0	0.0	82.7
All	217.2	913.1	646.0	463.4	450.5	38.7	9.2	0.8	0.2	2,739.0

Energy cost DKK million/year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
110DT2	1.1	2.1	0.7	0.2	0.2	0.0	0.0	0.0	0.0	4.2
110DT3	2.1	4.4	1.3	0.5	0.2	0.0	0.0	0.0	0.0	8.6
120DT1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.8
120DT2	1.4	5.1	2.5	2.5	6.8	0.9	0.1	0.0	0.0	19.3
120DT3	2.4	15.4	10.8	6.6	3.7	0.1	0.0	0.0	0.0	39.0
130DT1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
130DT2	0.1	0.2	0.2	0.4	0.3	0.1	0.0	0.0	0.0	1.3
130DT3	0.2	1.0	0.8	0.7	0.5	0.0	0.0	0.0	0.0	3.3
140pDT1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2
140pDT2	0.1	0.4	0.2	0.8	1.2	0.1	0.0	0.0	0.0	2.9
140pDT3	0.8	7.3	8.7	5.4	3.1	0.1	0.0	0.0	0.0	25.5
300pDT1	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.2
300pDT2	0.1	0.4	0.3	0.5	1.2	0.2	0.0	0.0	0.0	2.8
300pDT3	0.6	2.2	1.4	1.0	0.8	0.0	0.1	0.0	0.0	6.2
400pDT1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
400pDT2	0.1	0.3	0.3	0.9	0.9	0.1	0.0	0.0	0.0	2.6
400pDT3	0.5	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	3.7
All	9.6	40.4	28.6	20.5	19.9	1.7	0.4	0.0	0.0	121.1

Interest	4.0	% p.a.
NPV factor	Lifetime	
0.96	1.0	
1.89	2.0	
2.78	3.0	
3.63	4.0	
4.45	5.0	
5.24	6.0	
6.00	7.0	
6.73	8.0	
7.44	9.0	
8.11	10.0	
8.76	11.0	
9.39	12.0	
9.99	13.0	
10.56	14.0	
11.12	15.0	
11.65	16.0	
12.17	17.0	
12.66	18.0	
13.13	19.0	
13.59	20.0	
14.03	21.0	
14.45	22.0	
14.86	23.0	
15.25	24.0	
15.62	25.0	
15.98	26.0	
16.33	27.0	
16.66	28.0	
16.98	29.0	
17.29	30.0	
17.59	31.0	
17.87	32.0	
18.15	33.0	
18.41	34.0	
18.66	35.0	
18.91	36.0	
19.14	37.0	
19.37	38.0	
19.58	39.0	
19.79	40.0	
19.99	41.0	
20.19	42.0	
20.37	43.0	
20.55	44.0	
20.72	45.0	
20.88	46.0	
21.04	47.0	
21.20	48.0	
21.34	49.0	
21.48	50.0	
21.62	51.0	
21.75	52.0	
21.87	53.0	
21.99	54.0	
22.11	55.0	
22.22	56.0	
22.33	57.0	
22.43	58.0	
22.53	59.0	
22.62	60.0	

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016
110DT1	22.62	22.62	22.62	22.62	22.62	#####	#####	22.62	#####
110DT2	22.62	22.62	22.62	22.62	22.62	22.62	#####		
110DT3	22.62	22.62	22.62	22.62	22.62				
120DT1	22.62	22.62	22.62	22.62	22.62	22.62	22.62	22.62	22.62
120DT2	22.62	22.62	22.62	22.62	22.62	22.62	22.62		
120DT3	22.62	22.62	22.62	22.62					
130DT1	22.62	22.62	22.62	22.62	22.62	22.62	22.62	#####	#####
130DT2	22.62	22.62	22.62	22.62	22.62	22.62			
130DT3	22.62	22.62	22.62	22.62	22.62				
140pDT1	22.62			22.62	22.62	22.62	22.62	22.62	#####
140pDT2	22.62	22.62		22.62	22.62	22.62	22.62		
140pDT3	22.62	22.62	22.62	22.62	22.62	22.62			
300pDT1	22.62	22.62	22.62	22.62	22.62	22.62	22.62	22.62	#####
300pDT2	22.62	22.62	22.62	22.62	22.62	22.62	22.62	22.62	
300pDT3	22.62	22.62	22.62	22.62	22.62				
400pDT1	22.62	22.62	22.62	22.62	22.62	22.62	22.62	22.62	22.62
400pDT2	22.62	22.62	22.62	22.62	22.62	22.62	22.62		
400pDT3	22.62	22.62	22.62	22.62	22.62				

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.889	1,115	0.295	0.096	0.105	0.073	0.103	0.042	0.056	2,774
120	1,373	3,432	2,290	1,715	5,454	2,793	2,060	0.718	0.663	20,499
130	0.180	0.290	0.214	0.267	0.573	0.435	1,427	0.394	0.270	4,048
140	0.687	2,449	1,762	0.900	1,556	0.490	0.892	0.440	0.382	9,558
300	0.602	1,104	0.535	0.474	1,686	0.878	2,177	0.870	0.912	9,238
400	0.352	0.601	0.354	0.454	1,073	0.482	0.738	0.252	0.208	4,515
All	4,083	8,992	5,450	3,905	10,448	5,151	7,397	2,717	2,490	50,633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.653	0.807	0.214	0.069	0.084	0.060	0.085	0.037	0.051	2,060
120	1,058	2,558	1,733	1,330	4,441	2,327	1,735	0.646	0.612	16,440
130	0.136	0.214	0.162	0.201	0.456	0.352	1,186	0.357	0.248	3,313
140	0.541	1,866	1,323	0.666	1,157	0.373	0.723	0.391	0.340	7,382
300	0.487	0.880	0.407	0.366	1,366	0.740	1,837	0.784	0.843	7,709
400	0.287	0.480	0.273	0.354	0.868	0.401	0.620	0.221	0.183	3,687
All	3,161	6,806	4,111	2,986	8,372	4,254	6,187	2,436	2,277	40,590

Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.236	0.308	0.081	0.027	0.022	0.013	0.018	0.005	0.005	0,715
120	0.315	0.874	0.558	0.385	1,013	0.466	0.326	0.072	0.050	4,059
130	0.044	0.076	0.052	0.065	0.117	0.083	0.240	0.038	0.022	0,736
140	0.146	0.583	0.440	0.234	0.398	0.116	0.169	0.049	0.041	2,176
300	0.115	0.224	0.127	0.108	0.321	0.138	0.339	0.087	0.069	1,529
400	0.065	0.121	0.082	0.100	0.205	0.081	0.118	0.031	0.026	0,828
All	0.922	2,185	1,339	0.919	2,076	0.897	1,210	0.282	0.213	10,043

[illegible]

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	105.5	106.3	106.9	107.8	115.6	115.2	106.9	91.0	75.7	102.9	110
110DT2	128.8	121.6	118.3	119.4	123.1	116.6	104.3			123.0	110
110DT3	180.0	163.6	148.1	156.2	147.7					166.9	110
120DT1	109.7	111.7	116.4	121.4	129.9	126.4	114.5	95.5	79.2	113.5	120
120DT2	127.6	125.5	128.8	138.6	134.3	124.1	116.7			130.3	120
120DT3	177.2	160.0	159.3	166.1						162.1	120
130DT1	99.8	101.4	107.3	114.2	114.2	120.4	110.3	95.3	80.0	104.5	130
130DT2	114.3	112.5	116.2	117.2	120.0	113.1				115.7	130
130DT3	136.0	134.8	126.9	130.9	107.7					125.0	130
140pDT1	95.3			97.5	92.2	92.4	98.9	97.7	79.1	94.0	140
140pDT2	106.0	107.3	105.4	99.4	91.1	89.8	89.4			97.2	140
140pDT3	112.6	116.9	115.4	110.7	102.5	100.2				113.8	140
300pDT1	113.4	110.6	114.3	123.5	115.6	117.2	109.4	90.2	88.2	102.6	300
300pDT2	124.1	119.4	117.7	117.0	112.2	113.3	98.5	78.4		111.6	300
300pDT3	136.3	134.2	138.9	129.8	122.9					129.8	300
400pDT1	131.3	127.4	129.6	126.6	126.1	114.2	112.5	99.3	88.5	111.2	400
400pDT2	131.2	125.8	125.2	122.9	117.7	104.4	105.9			118.8	400
400pDT3	146.6	140.1	145.0	152.3	115.3					138.2	400
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1	All

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	84.7	85.5	86.4	87.0	91.3	90.3	81.7	73.9	60.9	82.2	110
110DT2	96.3	89.6	86.6	88.5	92.2	87.6	77.7			91.1	110
110DT3	100.5	86.0	76.9	81.0	81.0					89.6	110
120DT1	87.5	89.5	93.6	98.3	102.2	98.6	89.3	77.9	65.4	89.8	120
120DT2	97.0	94.7	99.3	106.6	101.0	94.0	89.4			98.8	120
120DT3	104.9	90.4	91.8	98.5						93.4	120
130DT1	77.3	79.6	86.4	88.2	87.8	90.1	85.0	78.4	65.8	81.8	130
130DT2	85.0	84.2	87.6	85.5	87.4	82.5				85.2	130
130DT3	84.6	81.0	79.5	77.1	63.1					76.0	130
140pDT1	72.1			71.2	66.0	67.1	74.4	78.4	61.9	71.4	140
140pDT2	81.2	81.8	81.1	70.4	61.8	60.6	65.6			69.9	140
140pDT3	80.2	80.5	78.1	72.3	61.6	59.5				76.8	140
300pDT1	92.4	92.7	93.1	96.2	93.9	96.5	87.8	74.7	75.4	84.1	300
300pDT2	99.7	95.3	89.9	88.7	85.9	89.5	76.2	61.1		86.8	300
300pDT3	99.9	94.7	90.5	84.5	79.0					89.4	300
400pDT1	109.4	104.8	103.4	101.9	100.4	90.7	89.1	79.1	70.3	88.6	400
400pDT2	106.8	99.4	95.3	92.0	87.9	79.1	78.4			90.5	400
400pDT3	106.5	98.9	92.8	92.9	74.6					94.3	400
All	92.9	88.8	88.5	90.0	89.3	89.5	84.8	76.3	68.0	86.4	All

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	20.7	20.8	20.5	20.8	24.2	24.9	25.2	17.0	14.8	20.8	110
110DT2	32.5	32.0	31.7	31.0	30.9	29.0	26.6			31.9	110
110DT3	79.5	77.6	71.2	75.2	66.8					77.3	110
120DT1	22.1	22.2	22.7	23.1	27.8	27.8	25.2	17.6	13.9	23.6	120
120DT2	30.6	30.8	29.6	31.9	33.3	30.0	27.3			31.5	120
120DT3	72.2	69.6	67.5	67.6						68.6	120
130DT1	22.6	21.9	20.9	26.0	26.4	30.4	25.3	16.9	14.1	22.8	130
130DT2	29.2	28.3	28.6	31.7	32.6	30.6				30.4	130
130DT3	51.5	53.8	47.4	53.8	44.6					49.0	130
140pDT1	23.2			26.3	26.1	25.3	24.5	19.4	17.2	22.5	140
140pDT2	24.8	25.5	24.3	29.0	29.3	29.2	23.8			27.3	140
140pDT3	32.4	36.4	37.4	38.4	40.9	40.8				37.0	140
300pDT1	21.0	17.9	21.2	27.3	21.7	20.7	21.7	15.5	12.8	18.5	300
300pDT2	24.5	24.2	27.7	28.3	26.3	23.7	22.3	17.3		24.8	300
300pDT3	36.4	39.5	48.4	45.3	43.9					40.4	300
400pDT1	21.9	22.6	26.2	24.6	25.6	23.5	23.5	20.2	18.2	22.7	400
400pDT2	24.4	26.4	29.9	30.9	29.8	25.2	27.5			28.3	400
400pDT3	40.1	41.2	52.2	59.4	40.6					43.9	400
All	34.5	36.3	36.9	36.3	31.0	27.4	24.1	17.4	14.6	29.6	All

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	19.7	19.6	19.2	19.3	20.9	21.6	23.5	18.7	19.6	20.2	110
110DT2	25.2	26.3	26.8	25.9	25.1	24.9	25.5			26.0	110
110DT3	44.2	47.4	48.1	48.1	45.2					46.3	110
120DT1	20.2	19.9	19.5	19.0	21.4	22.0	22.0	18.4	17.5	20.8	120
120DT2	24.0	24.5	22.9	23.1	24.8	24.2	23.4			24.2	120
120DT3	40.8	43.5	42.4	40.7						42.3	120
130DT1	22.6	21.5	19.4	22.7	23.1	25.2	22.9	17.8	17.7	21.8	130
130DT2	25.6	25.1	24.6	27.0	27.2	27.1				26.3	130
130DT3	37.8	39.9	37.4	41.1	41.4					39.2	130
140pDT1	24.3			27.0	28.4	27.4	24.8	19.8	21.7	24.0	140
140pDT2	23.4	23.8	23.0	29.2	32.2	32.5	26.6			28.1	140
140pDT3	28.8	31.1	32.4	34.7	39.9	40.7				32.5	140
300pDT1	18.5	16.2	18.5	22.1	18.8	17.7	19.8	17.2	14.5	18.0	300
300pDT2	19.7	20.2	23.6	24.2	23.4	21.0	22.6	22.1		22.3	300
300pDT3	26.7	29.5	34.8	34.9	35.7					31.1	300
400pDT1	16.7	17.8	20.2	19.5	20.3	20.5	20.8	20.4	20.6	20.4	400
400pDT2	18.6	21.0	23.9	25.1	25.3	24.2	25.9			23.8	400
400pDT3	27.4	29.4	36.0	39.0	35.3					31.8	400
All	27.1	29.0	29.5	28.7	25.8	23.4	22.1	18.6	17.6	25.5	All

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	1,921	2,186	499	120	228	340	885	450	733	7,362	110
110DT2	2,848	4,126	1,235	417	567	286	77	14	0	9,570	110
110DT3	1,775	2,331	642	213	63	2	6	0	0	5,032	110
120DT1	3,525	5,087	2,027	1,437	13,916	13,682	16,756	7,466	8,305	72,203	120
120DT2	4,906	13,726	10,030	7,869	25,556	8,505	1,190	40	38	71,861	120
120DT3	2,036	7,134	4,788	2,713	1,380	66	19	2	8	18,145	120
130DT1	388	412	143	245	1,780	1,954	12,459	4,115	3,366	24,862	130
130DT2	658	1,078	961	1,437	2,636	1,678	466	18	1	8,933	130
130DT3	482	944	686	535	494	131	37	3	24	3,336	130
140pDT1	384	1,002	619	839	3,163	1,870	7,617	4,361	4,766	24,621	140
140pDT2	1,903	5,015	3,157	2,913	9,816	3,026	1,502	178	61	27,571	140
140pDT3	3,988	15,474	11,757	4,777	3,605	451	39	2	25	40,119	140
300pDT1	603	1,143	808	614	4,489	2,952	16,271	8,963	9,762	45,607	300
300pDT2	1,712	3,468	1,516	2,005	8,376	4,305	3,726	731	304	26,143	300
300pDT3	2,356	4,197	1,901	1,258	1,856	372	233	77	398	12,649	300
400pDT1	252	515	453	562	2,552	2,162	5,883	2,450	2,332	17,161	400
400pDT2	1,294	2,243	1,401	2,448	5,727	2,053	684	111	26	15,988	400
400pDT3	1,017	1,808	829	535	673	220	30	2	1	5,114	400
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277	All

DT1,2,3 % of gross area	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	29.3	25.3	21.0	16.0	26.6	54.2	91.4	97.0	100.0	33.5	110
110DT2	43.5	47.7	52.0	55.6	66.1	45.5	8.0	3.0	0.0	43.6	110
110DT3	27.1	27.0	27.0	28.4	7.3	0.3	0.6	0.0	0.0	22.9	110
120DT1	33.7	19.6	12.0	12.0	34.1	61.5	93.3	99.4	99.5	44.5	120
120DT2	46.9	52.9	59.5	65.5	62.6	38.2	6.6	0.5	0.5	44.3	120
120DT3	19.5	27.5	28.4	22.6	3.4	0.3	0.1	0.0	0.1	11.2	120
130DT1	25.4	16.9	8.0	11.1	36.2	51.9	96.1	99.5	99.3	67.0	130
130DT2	43.1	44.3	53.7	64.8	53.7	44.6	3.6	0.4	0.0	24.1	130
130DT3	31.5	38.8	38.3	24.1	10.1	3.5	0.3	0.1	0.7	9.0	130
140pDT1	6.1	4.7	4.0	9.8	19.1	35.0	83.2	96.0	98.2	26.7	140
140pDT2	30.3	23.3	20.3	34.2	59.2	56.6	16.4	3.9	1.3	29.9	140
140pDT3	63.6	72.0	75.7	56.0	21.7	8.4	0.4	0.0	0.5	43.5	140
300pDT1	12.9	13.0	19.1	15.8	30.5	38.7	80.4	91.7	93.3	54.0	300
300pDT2	36.7	39.4	35.9	51.7	56.9	56.4	18.4	7.5	2.9	31.0	300
300pDT3	50.4	47.7	45.0	32.5	12.6	4.9	1.2	0.8	3.8	15.0	300
400pDT1	9.8	11.3	16.9	15.9	28.5	48.8	89.2	95.6	98.9	44.8	400
400pDT2	50.5	49.1	52.2	69.1	64.0	46.3	10.4	4.3	1.1	41.8	400
400pDT3	39.7	39.6	30.9	15.1	7.5	5.0	0.4	0.1	0.0	13.4	400
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0	All

AsIS Dimensioning W/m²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	36	37	37	37	40	40	37	32	28	36	110
110DT2	51	49	48	48	50	48	44			49	110
110DT3	80	74	69	72	70					75	110
120DT1	38	39	40	42	45	44	40	34	29	40	120
120DT2	51	50	52	56	55	51	48			53	120
120DT3	79	73	74	77						75	120
130DT1	34	35	37	39	40	42	38	34	29	36	130
130DT2	46	45	47	48	50	48				48	130
130DT3	64	63	61	64	57					61	130
140pDT1	33			34	33	33	34	35	29	33	140
140pDT2	43	44	43	42	40	39	38			41	140
140pDT3	51	53	52	52	50	49				52	140
300pDT1	42	41	43	46	43	43	41	36	35	39	300
300pDT2	54	52	52	52	50	50	45	40		50	300
300pDT3	64	63	65	63	59					61	300
400pDT1	49	48	49	48	49	45	44	41	36	44	400
400pDT2	58	57	57	56	55	50	51			55	400
400pDT3	69	67	69	72	61					67	400
All	53	53	54	54	49	46	40	35	32	47	All

Renovated Dimensioning W/m²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	30	30	30	31	32	32	29	27	23	29	110
110DT2	40	38	37	37	39	38	34			38	110
110DT3	50	45	42	43	44					46	110
120DT1	30	31	33	35	36	35	32	29	25	32	120
120DT2	40	39	41	44	43	41	38			42	120
120DT3	51	47	48	51						48	120
130DT1	27	28	30	31	31	32	30	28	24	29	130
130DT2	36	35	37	37	38	37				37	130
130DT3	44	43	43	43	39					42	130
140pDT1	25			26	24	25	26	29	24	26	140
140pDT2	35	35	35	32	29	29	29			31	140
140pDT3	39	39	39	38	35	34				38	140
300pDT1	36	36	36	37	36	37	34	31	31	33	300
300pDT2	45	44	42	42	41	41	37	34		41	300
300pDT3	50	48	48	46	44					47	300
400pDT1	42	41	41	40	40	37	36	34	32	37	400
400pDT2	49	47	46	45	44	41	41			45	400
400pDT3	54	52	50	51	46					51	400
All	41	40	40	41	38	36	32	30	27	37	All

ECONOMY

Basic invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	758	761	774	790	903	936	837	864	927	806	110
110DT2	984	937	902	973	1,085	1,105	985			962	110
110DT3	1,592	1,427	1,270	1,398	1,419					1,464	110
120DT1	759	803	847	915	1,050	1,048	892	938	910	945	120
120DT2	978	955	1,003	1,124	1,249	1,221	1,084			1,120	120
120DT3	1,536	1,319	1,330	1,465						1,384	120
130DT1	789	784	850	1,005	1,084	1,082	847	925	902	902	130
130DT2	960	932	1,045	1,193	1,310	1,256				1,165	130
130DT3	1,331	1,263	1,210	1,530	1,574					1,346	130
140pDT1	812			876	933	932	768	1,008	1,009	899	140
140pDT2	850	849	830	905	1,013	1,047	820			933	140
140pDT3	954	968	938	953	1,095	1,248				970	140
300pDT1	772	771	852	901	858	787	733	842	845	800	300
300pDT2	892	857	943	1,055	1,039	1,027	881	1,019		976	300
300pDT3	1,048	1,013	1,105	1,239	1,183					1,080	300
400pDT1	774	831	920	966	1,007	900	812	993	895	897	400
400pDT2	870	932	1,035	1,094	1,172	1,065	1,021			1,069	400
400pDT3	1,022	1,077	1,189	1,278	1,255					1,129	400
All	993	982	1,005	1,092	1,122	1,064	828	924	904	996	All

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	15	16	17	17	18	18	17	20	20	17	110
110DT2	23	27	28	26	24	19	17			26	110
110DT3	42	59	63	68	73					54	110
120DT1	15	17	19	20	20	20	18	20	20	19	120
120DT2	21	25	23	26	26	22	19			24	120
120DT3	41	65	68	73						66	120
130DT1	16	17	17	24	20	21	17	20	19	18	130
130DT2	19	21	21	24	23	22				22	130
130DT3	27	39	45	48	44					40	130
140pDT1	16			18	19	18	15	21	22	19	140
140pDT2	17	18	18	24	22	19	16			20	140
140pDT3	21	27	33	43	38	26				31	140
300pDT1	14	14	16	15	15	12	13	17	17	15	300
300pDT2	16	16	18	21	17	13	13	17		16	300
300pDT3	19	26	32	33	24					25	300
400pDT1	14	14	18	16	17	16	15	21	19	17	400
400pDT2	15	17	20	24	20	16	16			19	400
400pDT3	24	26	38	53	31					31	400
All	22	28	31	32	24	19	16	19	19	23	All

Energy DKK/(kWh/year)	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	0.74	0.78	0.83	0.83	0.75	0.72	0.68	1.15	1.37	0.82	110
110DT2	0.72	0.85	0.89	0.82	0.79	0.66	0.64			0.80	110
110DT3	0.53	0.75	0.89	0.91	1.10					0.70	110
120DT1	0.69	0.78	0.85	0.84	0.73	0.71	0.71	1.15	1.44	0.81	120
120DT2	0.70	0.80	0.78	0.80	0.78	0.74	0.70			0.77	120
120DT3	0.57	0.94	1.01	1.08						0.96	120
130DT1	0.72	0.76	0.83	0.91	0.77	0.70	0.66	1.16	1.38	0.80	130
130DT2	0.65	0.73	0.73	0.77	0.71	0.73				0.72	130
130DT3	0.53	0.73	0.95	0.89	1.00					0.81	130
140pDT1	0.71			0.67	0.74	0.71	0.62	1.09	1.26	0.82	140
140pDT2	0.69	0.70	0.72	0.82	0.74	0.65	0.66			0.73	140
140pDT3	0.65	0.74	0.87	1.12	0.93	0.63				0.84	140
300pDT1	0.66	0.77	0.77	0.54	0.67	0.60	0.61	1.10	1.30	0.81	300
300pDT2	0.64	0.68	0.66	0.75	0.65	0.55	0.60	1.00		0.65	300
300pDT3	0.53	0.65	0.66	0.72	0.54					0.62	300
400pDT1	0.63	0.64	0.69	0.67	0.66	0.67	0.65	1.02	1.03	0.74	400
400pDT2	0.61	0.66	0.67	0.77	0.69	0.64	0.57			0.68	400
400pDT3	0.60	0.63	0.73	0.89	0.77					0.70	400
All	0.63	0.78	0.84	0.89	0.76	0.69	0.65	1.10	1.30	0.79	All

Annualised Energy DKK/kWh	Interest p1 -1890	4.0 p2 1890-1929	% p.a. p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	0.04	0.04	0.05	0.05	0.04	0.04	0.04	0.07	0.08	0.05	110
110DT2	0.04	0.04	0.05	0.04	0.04	0.04	0.04			0.04	110
110DT3	0.03	0.04	0.04	0.04	0.05					0.03	110
120DT1	0.04	0.04	0.05	0.05	0.04	0.04	0.04	0.07	0.08	0.05	120
120DT2	0.04	0.04	0.04	0.04	0.04	0.04	0.04			0.04	120
120DT3	0.03	0.04	0.05	0.05						0.05	120
130DT1	0.04	0.04	0.05	0.05	0.04	0.04	0.04	0.07	0.08	0.05	130
130DT2	0.04	0.04	0.04	0.04	0.04	0.04				0.04	130
130DT3	0.03	0.04	0.05	0.04	0.05					0.04	130
140pDT1	0.04			0.04	0.04	0.04	0.04	0.06	0.07	0.05	140
140pDT2	0.04	0.04	0.04	0.04	0.04	0.04	0.04			0.04	140
140pDT3	0.04	0.04	0.04	0.06	0.05	0.03				0.04	140
300pDT1	0.04	0.04	0.04	0.03	0.04	0.03	0.04	0.06	0.08	0.05	300
300pDT2	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.06		0.04	300
300pDT3	0.03	0.03	0.03	0.04	0.03					0.03	300
400pDT1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.04	400
400pDT2	0.03	0.04	0.04	0.04	0.04	0.04	0.03			0.04	400
400pDT3	0.03	0.03	0.04	0.04	0.04					0.04	400
All	0.03	0.04	0.04	0.05	0.04	0.04	0.04	0.06	0.08	0.04	All

Investments per building category

	Basis DKK million	Energy DKK million	Basis Annual investment	Energy DKK million/year	Energy NPV factor	Energy Lifetime
110	22,509	641	1,238	33	19.4	38
120	173,876	4,320	9,654	232	18.7	34
130	37,324	782	2,093	44	17.9	31
140p	86,774	2,243	4,924	121	18.6	34
300p	75,687	1,420	4,217	79	17.9	32
400p	38,257	755	2,123	42	18.1	32
All	434,427	10,162	24,249	550	18.5	34

Energy cost DKK/m ² per year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	0.89	0.93	0.97	0.99	1.03	1.04	0.99	1.12	1.18	0.97	110
110DT2	1.24	1.41	1.46	1.35	1.31	1.09	0.99			1.34	110
110DT3	2.06	2.80	3.01	3.24	3.48					2.59	110
120DT1	0.88	0.99	1.08	1.11	1.16	1.14	1.04	1.16	1.16	1.10	120
120DT2	1.15	1.31	1.25	1.38	1.42	1.25	1.09			1.33	120
120DT3	2.03	3.11	3.26	3.48						3.14	120
130DT1	0.93	0.95	0.99	1.29	1.18	1.22	0.97	1.13	1.13	1.05	130
130DT2	1.06	1.13	1.15	1.33	1.30	1.28				1.23	130
130DT3	1.43	1.95	2.21	2.38	2.24					1.99	130
140pDT1	0.95			1.02	1.10	1.05	0.88	1.21	1.25	1.07	140
140pDT2	0.98	1.01	0.99	1.29	1.22	1.09	0.90			1.11	140
140pDT3	1.16	1.41	1.66	2.14	1.94	1.39				1.59	140
300pDT1	0.81	0.79	0.92	0.85	0.83	0.71	0.76	0.99	0.96	0.86	300
300pDT2	0.88	0.91	1.01	1.15	0.94	0.75	0.77	1.00		0.90	300
300pDT3	1.05	1.33	1.60	1.66	1.23					1.31	300
400pDT1	0.79	0.83	1.01	0.94	0.97	0.90	0.88	1.19	1.08	0.97	400
400pDT2	0.84	0.96	1.09	1.27	1.13	0.93	0.90			1.07	400
400pDT3	1.25	1.33	1.88	2.55	1.61					1.56	400
All	1.17	1.47	1.60	1.67	1.29	1.07	0.91	1.11	1.10	1.26	All

Lifetime Year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	30	30	30	30	30	29	30	30	30	30	110
110DT2	35	37	37	36	34	30	30			36	110
110DT3	43	46	46	47	47					45	110
120DT1	30	30	31	30	30	30	30	30	30	30	120
120DT2	34	35	33	34	33	31	30			33	120
120DT3	42	46	46	46						46	120
130DT1	30	30	30	33	30	30	30	30	30	30	130
130DT2	32	33	32	33	31	30				32	130
130DT3	37	41	42	41	40					40	130
140pDT1	30			30	30	30	30	30	30	30	140
140pDT2	30	31	31	34	31	30	30			31	140
140pDT3	33	36	39	41	39	34				37	140
300pDT1	30	30	31	30	30	30	30	30	30	30	300
300pDT2	31	32	33	34	32	30	30	30		31	300
300pDT3	34	38	39	39	37					37	300
400pDT1	30	30	32	30	30	30	30	30	30	30	400
400pDT2	31	32	33	35	32	30	30			32	400
400pDT3	37	38	42	44	38					39	400
All	34	36	37	36	32	30	30	30	30	33	All

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	135.9	129.1	124.0	128.0	122.9	116.0	106.9	91.0	75.7	126.3
120	131.2	132.3	136.0	142.7	133.5	125.5	114.7	95.6	79.3	126.4
130	117.5	119.3	119.6	120.2	116.6	115.5	110.1	95.3	79.6	109.0
140	109.5	114.0	113.5	105.5	93.8	91.6	97.4	97.0	78.7	103.5
300	128.9	125.3	126.6	122.2	114.6	115.1	107.6	89.1	87.1	109.5
400	137.4	131.6	132.0	127.9	119.9	108.8	111.9	98.4	88.2	118.0
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	94.0	87.6	83.9	86.1	91.2	89.0	81.1	72.7	60.9	87.7
120	95.3	92.5	96.5	103.8	101.0	96.8	89.3	77.9	65.4	94.2
130	82.9	82.2	84.4	83.8	85.1	85.2	84.8	78.4	65.5	82.1
140	80.0	80.7	79.1	71.5	62.6	62.8	72.9	77.7	61.5	73.3
300	98.9	94.6	90.8	88.5	87.5	92.2	85.6	73.4	74.0	85.7
400	106.9	99.8	95.9	93.7	90.5	84.4	87.9	78.0	70.1	90.1
All	92.9	88.8	88.5	90.0	89.3	89.5	84.8	76.3	68.0	86.4

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	41.8	41.5	40.0	41.9	31.7	27.0	25.8	18.3	14.8	38.6
120	35.8	39.8	39.5	38.9	32.5	28.7	25.4	17.7	13.9	32.1
130	34.5	37.1	35.2	36.4	31.6	30.3	25.3	17.0	14.1	27.0
140	29.5	33.2	34.3	34.0	31.2	28.8	24.5	19.3	17.2	30.2
300	30.0	30.7	35.7	33.7	27.1	22.9	22.1	15.7	13.2	23.7
400	30.4	31.8	36.2	34.2	29.4	24.3	24.0	20.4	18.2	27.9
All	34.5	36.3	36.9	36.3	31.0	27.4	24.1	17.4	14.6	29.6

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	30.8	32.1	32.3	32.7	25.8	23.3	24.1	20.1	19.6	30.5
120	27.3	30.1	29.1	27.3	24.4	22.9	22.2	18.5	17.6	25.4
130	29.4	31.1	29.4	30.3	27.1	26.2	23.0	17.8	17.7	24.7
140	27.0	29.2	30.3	32.2	33.3	31.5	25.2	19.9	21.8	29.2
300	23.3	24.5	28.2	27.6	23.6	19.9	20.5	17.6	15.1	21.7
400	22.1	24.2	27.4	26.7	24.5	22.4	21.4	20.7	20.6	23.6
All	27.1	29.0	29.5	28.7	25.8	23.4	22.1	18.6	17.6	25.5

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	6,544	8,643	2,376	749	858	628	968	464	733	21,964
120	10,467	25,948	16,846	12,018	40,852	22,254	17,965	7,508	8,351	162,208
130	1,529	2,434	1,790	2,218	4,910	3,763	12,962	4,135	3,391	37,130
140	6,276	21,491	15,533	8,529	16,585	5,348	9,157	4,540	4,852	92,312
300	4,671	8,809	4,225	3,878	14,721	7,630	20,230	9,771	10,465	84,399
400	2,564	4,566	2,683	3,545	8,952	4,436	6,597	2,562	2,359	38,264
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277

Gross area %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	29.8	39.3	10.8	3.4	3.9	2.9	4.4	2.1	3.3	5.0
120	6.5	16.0	10.4	7.4	25.2	13.7	11.1	4.6	5.1	37.2
130	4.1	6.6	4.8	6.0	13.2	10.1	34.9	11.1	9.1	8.5
140	6.8	23.3	16.8	9.2	18.0	5.8	9.9	4.9	5.3	21.2
300	5.5	10.4	5.0	4.6	17.4	9.0	24.0	11.6	12.4	19.3
400	6.7	11.9	7.0	9.3	23.4	11.6	17.2	6.7	6.2	8.8
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0

ECONOMY

Basic invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	7,084	8,854	2,316	798	911	637	827	401	680	22,509
120	10,603	26,600	18,150	14,133	48,643	24,809	16,266	7,055	7,616	173,876
130	1,580	2,521	1,956	2,780	6,162	4,389	11,055	3,830	3,052	37,324
140	5,734	20,040	14,177	7,926	16,843	5,475	7,115	4,579	4,885	86,774
300	4,462	8,103	4,218	4,228	14,748	7,181	15,465	8,370	8,912	75,687
400	2,361	4,464	2,853	3,905	10,127	4,368	5,510	2,553	2,116	38,257
All	31,823	70,582	43,670	33,770	97,434	46,859	56,237	26,789	27,263	434,427

Energy invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	171	284	84	27	23	12	17	9	15	641
120	243	893	596	428	1,055	462	326	151	167	4,320
130	32	66	53	66	119	82	217	81	66	782
140	123	523	451	290	411	103	141	95	105	2,243
300	81	181	101	93	253	98	271	168	174	1,420
400	47	93	68	96	181	71	101	53	44	755
All	698	2,040	1,354	1,000	2,042	828	1,072	557	571	10,162

Energy invest. DKK/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	26	33	35	36	26	19	17	20	20	29
120	23	34	35	36	26	21	18	20	20	27
130	21	27	30	30	24	22	17	20	19	21
140	20	24	29	34	25	19	15	21	22	24
300	17	21	24	24	17	13	13	17	17	17
400	18	20	25	27	20	16	15	21	19	20
All	22	28	31	32	24	19	16	19	19	23

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.87	1.10	1.14	1.21	0.88	0.63	0.57	0.65	0.68	0.97
120	0.75	1.08	1.07	1.05	0.81	0.69	0.60	0.67	#VALUE!	0.85
130	0.62	0.72	0.76	0.77	0.66	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.57
140	0.65	0.81	0.91	1.13	0.83	0.64	0.51	0.70	0.72	0.81
300	0.56	0.64	0.73	0.68	0.54	0.43	0.45	#VALUE!	#VALUE!	0.52
400	0.50	0.54	0.60	0.62	0.53	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.51
All	0.65	0.79	0.85	0.89	0.73	0.62	0.53	0.64	0.63	0.71

Annualised Energy cost DKK million/year	Interest p1 -1890	4.0 % p.a. p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	8.9	14.4	4.2	1.4	1.2	0.7	1.0	0.5	0.9	33
120	12.9	45.2	30.3	21.9	57.7	26.4	18.8	8.7	9.7	232
130	1.8	3.5	2.8	3.5	6.6	4.7	12.5	4.7	3.8	44
140	6.9	27.9	23.3	14.8	22.4	5.9	8.1	5.5	6.1	121
300	4.5	9.6	5.3	4.9	13.9	5.6	15.6	9.7	10.1	79
400	2.6	5.0	3.5	5.0	10.0	4.1	5.8	3.0	2.5	42
All	37	106	69	52	112	47	62	32	33	550

Energy cost DKK/m ² per year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	1.36	1.66	1.78	1.83	1.40	1.08	0.99	1.12	1.18	1.51
120	1.23	1.74	1.80	1.82	1.41	1.19	1.05	1.17	1.16	1.43
130	1.15	1.42	1.54	1.58	1.35	1.25	0.97	1.13	1.12	1.18
140	1.09	1.30	1.50	1.74	1.35	1.10	0.89	1.22	1.25	1.31
300	0.96	1.09	1.26	1.27	0.95	0.74	0.77	0.99	0.96	0.94
400	1.00	1.10	1.32	1.41	1.12	0.92	0.89	1.19	1.08	1.09
All	1.17	1.47	1.60	1.67	1.29	1.07	0.91	1.11	1.10	1.26

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.08	0.04
120	0.03	0.04	0.05	0.05	0.04	0.04	0.04	0.07	0.08	0.04
130	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.07	0.08	0.04
140	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.06	0.07	0.04
300	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.06	0.07	0.04
400	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.04
All	0.03	0.04	0.04	0.05	0.04	0.04	0.04	0.06	0.08	0.04

Lifetime year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Samlet
110	37	39	40	40	35	30	30	30	30	38
120	35	39	39	38	33	30	30	30	30	34
130	33	37	37	36	32	30	30	30	29	31
140	32	35	37	38	33	30	30	30	30	34
300	33	35	36	36	33	30	30	30	30	32
400	34	35	36	37	32	30	30	30	30	32
All	34	37	38	38	33	30	30	30	30	34

Asls TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.203	0.232	0.053	0.013	0.026	0.039	0.095	0.041	0.056	0.758
110DT2	0.367	0.502	0.146	0.050	0.070	0.033	0.008	0.001	0.000	1.177
110DT3	0.320	0.381	0.095	0.033	0.009	0.000	0.001	0.000	0.000	0.840
120DT1	0.387	0.568	0.236	0.174	1.808	1.729	1.919	0.713	0.658	8.193
120DT2	0.626	1.722	1.292	1.090	3.433	1.055	0.139	0.004	0.004	9.365
120DT3	0.361	1.141	0.763	0.451	0.214	0.009	0.003	0.000	0.000	2.941
130DT1	0.039	0.042	0.015	0.028	0.203	0.235	1.374	0.392	0.269	2.598
130DT2	0.075	0.121	0.112	0.168	0.316	0.190	0.049	0.002	0.000	1.033
130DT3	0.066	0.127	0.087	0.070	0.053	0.009	0.004	0.000	0.001	0.417
140pDT1	0.037	0.101	0.073	0.082	0.292	0.173	0.753	0.426	0.377	2.313
140pDT2	0.202	0.538	0.333	0.289	0.895	0.272	0.134	0.014	0.004	2.681
140pDT3	0.449	1.809	1.357	0.529	0.369	0.045	0.004	0.000	0.001	4.564
300pDT1	0.068	0.126	0.092	0.076	0.519	0.346	1.781	0.809	0.861	4.678
300pDT2	0.213	0.414	0.178	0.235	0.940	0.488	0.367	0.057	0.027	2.918
300pDT3	0.321	0.563	0.264	0.163	0.228	0.044	0.029	0.004	0.023	1.641
400pDT1	0.033	0.066	0.059	0.071	0.322	0.247	0.662	0.243	0.206	1.909
400pDT2	0.170	0.282	0.175	0.301	0.674	0.214	0.072	0.009	0.002	1.900
400pDT3	0.149	0.253	0.120	0.081	0.078	0.021	0.004	0.000	0.000	0.707
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.163	0.187	0.043	0.010	0.021	0.031	0.072	0.033	0.045	0.605
110DT2	0.274	0.370	0.107	0.037	0.052	0.025	0.006	0.000	0.000	0.871
110DT3	0.178	0.200	0.049	0.017	0.005	0.000	0.000	0.000	0.000	0.451
120DT1	0.309	0.455	0.190	0.141	1.422	1.349	1.496	0.582	0.543	6.486
120DT2	0.476	1.300	0.996	0.839	2.580	0.800	0.106	0.003	0.003	7.102
120DT3	0.214	0.645	0.439	0.267	0.124	0.005	0.001	0.000	0.000	1.696
130DT1	0.030	0.033	0.012	0.022	0.156	0.176	1.059	0.323	0.222	2.032
130DT2	0.056	0.091	0.084	0.123	0.230	0.138	0.037	0.001	0.000	0.761
130DT3	0.041	0.076	0.054	0.041	0.031	0.006	0.003	0.000	0.001	0.254
140pDT1	0.028	0.079	0.055	0.060	0.209	0.125	0.566	0.342	0.295	1.759
140pDT2	0.154	0.410	0.256	0.205	0.607	0.183	0.099	0.011	0.003	1.928
140pDT3	0.320	1.246	0.918	0.345	0.222	0.027	0.002	0.000	0.001	3.081
300pDT1	0.056	0.106	0.075	0.059	0.421	0.285	1.428	0.669	0.736	3.836
300pDT2	0.171	0.330	0.136	0.178	0.720	0.386	0.284	0.045	0.020	2.269
300pDT3	0.235	0.397	0.172	0.106	0.147	0.033	0.019	0.003	0.018	1.131
400pDT1	0.028	0.054	0.047	0.057	0.256	0.196	0.524	0.194	0.164	1.520
400pDT2	0.138	0.223	0.134	0.225	0.503	0.162	0.054	0.006	0.001	1.447
400pDT3	0.108	0.179	0.077	0.050	0.050	0.016	0.002	0.000	0.000	0.482
All	2.978	6.381	3.845	2.783	7.757	3.944	5.759	2.212	2.051	37.711

Saving TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.040	0.046	0.010	0.002	0.006	0.008	0.022	0.008	0.011	0.153
110DT2	0.093	0.132	0.039	0.013	0.018	0.008	0.002	0.001	0.000	0.305
110DT3	0.141	0.181	0.046	0.016	0.004	0.000	0.001	0.000	0.000	0.389
120DT1	0.078	0.113	0.046	0.033	0.386	0.380	0.423	0.131	0.115	1.707
120DT2	0.150	0.423	0.296	0.251	0.852	0.255	0.032	0.001	0.001	2.263
120DT3	0.147	0.497	0.323	0.183	0.090	0.004	0.001	0.000	0.000	1.245
130DT1	0.009	0.009	0.003	0.006	0.047	0.059	0.315	0.070	0.048	0.566
130DT2	0.019	0.030	0.028	0.046	0.086	0.051	0.011	0.000	0.000	0.272
130DT3	0.025	0.051	0.033	0.029	0.022	0.003	0.001	0.000	0.000	0.163
140pDT1	0.009	0.023	0.018	0.022	0.083	0.047	0.187	0.084	0.082	0.555
140pDT2	0.047	0.128	0.077	0.084	0.288	0.088	0.036	0.003	0.001	0.753
140pDT3	0.129	0.564	0.439	0.183	0.147	0.018	0.002	0.000	0.000	1.483
300pDT1	0.013	0.020	0.017	0.017	0.097	0.061	0.352	0.139	0.125	0.842
300pDT2	0.042	0.084	0.042	0.057	0.220	0.102	0.083	0.013	0.007	0.650
300pDT3	0.086	0.166	0.092	0.057	0.081	0.011	0.011	0.001	0.005	0.511
400pDT1	0.006	0.012	0.012	0.014	0.065	0.051	0.138	0.050	0.042	0.389
400pDT2	0.032	0.059	0.042	0.076	0.170	0.052	0.019	0.003	0.000	0.453
400pDT3	0.041	0.074	0.043	0.032	0.027	0.005	0.001	0.000	0.000	0.225
All	1.105	2.611	1.605	1.122	2.691	1.207	1.638	0.505	0.439	12.922

Basic invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	1,456.1	1,662.2	385.9	94.6	206.1	318.5	739.9	389.1	680.1	5,932.6
110DT2	2,802.0	3,866.0	1,114.3	405.4	615.6	315.7	76.3	12.2	0.0	9,207.4
110DT3	2,825.8	3,326.2	815.8	297.9	88.9	3.1	11.1	0.0	0.0	7,368.8
120DT1	2,677.4	4,083.6	1,718.0	1,314.5	14,618.7	14,334.4	14,948.3	7,001.5	7,560.7	68,257.2
120DT2	4,797.3	13,108.9	10,065.3	8,845.0	31,920.9	10,383.9	1,290.4	50.4	48.0	80,510.1
120DT3	3,127.8	9,408.0	6,367.1	3,973.9	2,103.8	90.6	26.9	2.9	7.4	25,108.4
130DT1	306.5	322.7	121.9	246.3	1,929.5	2,115.0	10,547.2	3,804.3	3,034.8	22,428.3
130DT2	632.0	1,005.1	1,004.0	1,715.4	3,454.1	2,107.6	464.7	22.2	0.4	10,405.7
130DT3	641.1	1,192.9	829.6	818.7	778.1	166.4	42.9	3.5	17.1	4,490.4
140pDT1	311.8	810.5	525.0	735.1	2,949.8	1,743.3	5,849.9	4,393.3	4,808.6	22,127.2
140pDT2	1,618.1	4,257.1	2,619.5	2,636.4	9,944.8	3,168.0	1,231.1	184.8	64.9	25,724.7
140pDT3	3,803.9	14,972.0	11,032.4	4,554.4	3,948.8	563.6	34.1	1.1	12.0	38,922.2
300pDT1	465.4	881.3	689.1	553.6	3,849.8	2,323.8	11,933.4	7,550.3	8,249.0	36,495.8
300pDT2	1,526.9	2,971.1	1,428.8	2,114.6	8,702.8	4,419.7	3,281.8	745.2	333.5	25,524.4
300pDT3	2,469.9	4,250.3	2,100.2	1,559.6	2,195.8	437.5	249.5	74.2	329.9	13,666.9
400pDT1	195.2	427.9	416.3	543.6	2,570.2	1,945.8	4,777.0	2,431.4	2,087.1	15,394.5
400pDT2	1,126.2	2,089.5	1,450.4	2,678.0	6,712.5	2,186.4	698.9	120.3	28.9	17,091.0
400pDT3	1,039.9	1,947.0	986.0	683.0	844.2	236.0	33.7	1.7	0.5	5,772.0
All	31,823.3	70,582.3	43,669.7	33,770.0	97,434.3	46,859.2	56,237.1	26,788.5	27,263.0	434,427.4

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	29.7	35.7	8.5	2.1	4.1	6.1	15.1	8.8	15.0	125.1
110DT2	66.7	111.8	34.8	10.6	13.8	5.4	1.3	0.3	0.0	244.9
110DT3	74.6	136.5	40.6	14.6	4.6	0.2	0.1	0.0	0.0	271.2
120DT1	54.1	88.3	39.0	28.1	280.2	269.7	301.8	150.3	166.0	1,377.5
120DT2	104.6	339.1	229.7	201.1	663.5	188.3	22.7	0.8	1.0	1,750.9
120DT3	84.2	465.4	327.4	198.3	111.1	3.9	1.0	0.2	0.2	1,191.8
130DT1	6.3	6.9	2.5	5.8	36.3	41.3	208.0	80.5	65.5	453.1
130DT2	12.6	22.4	20.0	35.0	61.1	37.5	8.0	0.4	0.0	196.9
130DT3	13.2	37.1	30.8	25.7	21.9	2.8	0.7	0.1	0.3	132.6
140pDT1	6.3	16.3	12.2	14.9	60.8	33.8	116.3	91.6	103.3	455.5
140pDT2	32.8	89.7	55.3	69.3	213.0	57.6	23.5	3.8	1.3	546.3
140pDT3	84.2	416.8	383.6	205.9	137.6	11.6	1.4	0.0	0.2	1,241.3
300pDT1	8.4	15.7	13.2	9.0	65.7	36.4	214.5	153.8	162.4	679.1
300pDT2	26.9	57.0	27.9	42.7	143.1	56.7	50.1	12.7	5.3	422.3
300pDT3	45.9	108.1	60.3	41.2	43.9	5.3	6.2	1.3	6.9	319.0
400pDT1	3.5	7.4	8.2	9.3	42.9	33.8	89.3	50.3	43.5	288.2
400pDT2	19.3	39.2	28.0	58.6	117.1	33.2	10.8	2.3	0.4	309.0
400pDT3	24.6	46.8	31.5	28.2	21.0	3.8	1.4	0.0	0.0	157.3
All	697.8	2,040.3	1,353.6	1,000.3	2,042.0	827.5	1,072.1	557.1	571.3	10,161.9

Energy cost DKK million/year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	1.7	2.0	0.5	0.1	0.2	0.4	0.9	0.5	0.9	7.2
110DT2	3.5	5.8	1.8	0.6	0.7	0.3	0.1	0.0	0.0	12.9
110DT3	3.7	6.5	1.9	0.7	0.2	0.0	0.0	0.0	0.0	13.0
120DT1	3.1	5.0	2.2	1.6	16.2	15.6	17.5	8.7	9.6	79.4
120DT2	5.6	18.0	12.5	10.9	36.3	10.6	1.3	0.0	0.1	95.3
120DT3	4.1	22.2	15.6	9.4	5.3	0.2	0.0	0.0	0.0	56.9
130DT1	0.4	0.4	0.1	0.3	2.1	2.4	12.0	4.7	3.8	26.2
130DT2	0.7	1.2	1.1	1.9	3.4	2.1	0.5	0.0	0.0	11.0
130DT3	0.7	1.8	1.5	1.3	1.1	0.2	0.0	0.0	0.0	6.7
140pDT1	0.4	0.9	0.7	0.9	3.5	2.0	6.7	5.3	6.0	26.3
140pDT2	1.9	5.1	3.1	3.7	11.9	3.3	1.3	0.2	0.1	30.7
140pDT3	4.6	21.8	19.5	10.2	7.0	0.6	0.1	0.0	0.0	63.9
300pDT1	0.5	0.9	0.7	0.5	3.7	2.1	12.4	8.9	9.4	39.2
300pDT2	1.5	3.2	1.5	2.3	7.9	3.2	2.9	0.7	0.3	23.6
300pDT3	2.5	5.6	3.0	2.1	2.3	0.3	0.3	0.1	0.4	16.5
400pDT1	0.2	0.4	0.5	0.5	2.5	1.9	5.2	2.9	2.5	16.6
400pDT2	1.1	2.2	1.5	3.1	6.5	1.9	0.6	0.1	0.0	17.1
400pDT3	1.3	2.4	1.6	1.4	1.1	0.2	0.1	0.0	0.0	8.0
All	37.4	105.5	69.5	51.5	111.9	47.3	61.9	32.2	33.0	550.3

Interest	4.0	% p.a.
NPV factor	Lifetime	
0.96	1.0	
1.89	2.0	
2.78	3.0	
3.63	4.0	
4.45	5.0	
5.24	6.0	
6.00	7.0	
6.73	8.0	
7.44	9.0	
8.11	10.0	
8.76	11.0	
9.39	12.0	
9.99	13.0	
10.56	14.0	
11.12	15.0	
11.65	16.0	
12.17	17.0	
12.66	18.0	
13.13	19.0	
13.59	20.0	
14.03	21.0	
14.45	22.0	
14.86	23.0	
15.25	24.0	
15.62	25.0	
15.98	26.0	
16.33	27.0	
16.66	28.0	
16.98	29.0	
17.29	30.0	
17.59	31.0	
17.87	32.0	
18.15	33.0	
18.41	34.0	
18.66	35.0	
18.91	36.0	
19.14	37.0	
19.37	38.0	
19.58	39.0	
19.79	40.0	
19.99	41.0	
20.19	42.0	
20.37	43.0	
20.55	44.0	
20.72	45.0	
20.88	46.0	
21.04	47.0	
21.20	48.0	
21.34	49.0	
21.48	50.0	
21.62	51.0	
21.75	52.0	
21.87	53.0	
21.99	54.0	
22.11	55.0	
22.22	56.0	
22.33	57.0	
22.43	58.0	
22.53	59.0	
22.62	60.0	

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016
110DT1	17.42	17.53	17.56	17.57	17.54	17.29	17.29	17.50	17.29
110DT2	18.90	19.24	19.26	18.93	18.59	17.51	17.29		
110DT3	20.38	20.92	20.99	21.08	21.10				
120DT1	17.40	17.56	17.74	17.57	17.34	17.30	17.29	17.29	17.29
120DT2	18.60	18.80	18.37	18.52	18.29	17.75	17.53		
120DT3	20.35	21.01	20.99	21.00					
130DT1	17.36	17.52	17.44	18.23	17.33	17.30	17.29	17.29	17.29
130DT2	18.00	18.32	18.09	18.28	17.83	17.53			
130DT3	19.19	20.13	20.27	20.18	19.83				
140pDT1	17.30			17.37	17.45	17.29	17.29	17.29	17.29
140pDT2	17.49	17.69	17.67	18.49	17.84	17.43	17.40		
140pDT3	18.25	19.08	19.66	20.12	19.64	18.46			
300pDT1	17.30	17.33	17.70	17.32	17.53	17.30	17.29	17.29	17.29
300pDT2	17.78	18.00	18.23	18.54	18.13	17.59	17.35	17.30	
300pDT3	18.54	19.43	19.79	19.76	19.23				
400pDT1	17.45	17.42	18.02	17.47	17.33	17.35	17.30	17.29	17.29
400pDT2	17.78	18.13	18.36	18.78	18.07	17.45	17.41		
400pDT3	19.36	19.38	20.22	20.71	19.42				

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.889	1.115	0.295	0.096	0.105	0.073	0.103	0.042	0.056	2.774
120	1.373	3.432	2.290	1.715	5.454	2.793	2.060	0.718	0.663	20.499
130	0.180	0.290	0.214	0.267	0.573	0.435	1.427	0.394	0.270	4.048
140	0.687	2.449	1.762	0.900	1.556	0.490	0.892	0.440	0.382	9.558
300	0.602	1.104	0.535	0.474	1.686	0.878	2.177	0.870	0.912	9.238
400	0.352	0.601	0.354	0.454	1.073	0.482	0.738	0.252	0.208	4.515
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.615	0.757	0.199	0.065	0.078	0.056	0.079	0.034	0.045	1.927
120	0.998	2.400	1.625	1.247	4.126	2.154	1.604	0.585	0.546	15.284
130	0.127	0.200	0.151	0.186	0.418	0.321	1.099	0.324	0.222	3.047
140	0.502	1.735	1.229	0.610	1.038	0.336	0.667	0.353	0.298	6.767
300	0.462	0.834	0.384	0.343	1.288	0.704	1.731	0.717	0.774	7.236
400	0.274	0.456	0.257	0.332	0.810	0.374	0.580	0.200	0.165	3.449
All	2.978	6.381	3.845	2.783	7.757	3.944	5.759	2.212	2.051	37.711

Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.274	0.359	0.095	0.031	0.027	0.017	0.025	0.008	0.011	0.847
120	0.375	1.032	0.666	0.468	1.329	0.639	0.456	0.133	0.116	5.215
130	0.053	0.090	0.063	0.081	0.155	0.114	0.328	0.070	0.048	1.001
140	0.185	0.714	0.534	0.290	0.518	0.154	0.224	0.088	0.083	2.791
300	0.140	0.270	0.151	0.131	0.399	0.174	0.446	0.153	0.138	2.003
400	0.078	0.145	0.097	0.121	0.263	0.108	0.158	0.052	0.043	1.066
All	1.105	2.611	1.605	1.122	2.691	1.207	1.638	0.505	0.439	12.922

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	19.23	19.76	19.86	19.90	18.84	17.46	17.29	17.50	17.29	19.38
120	18.87	19.74	19.67	19.52	18.27	17.51	17.32	17.30	17.30	18.65
130	18.33	19.19	19.25	18.97	18.01	17.40	17.30	17.29	17.29	17.86
140	17.99	18.77	19.35	19.55	18.34	17.50	17.34	17.30	17.29	18.55
300	18.15	18.76	19.05	18.93	18.15	17.49	17.35	17.29	17.29	17.91
400	18.54	18.67	19.14	19.17	18.04	17.42	17.35	17.29	17.29	18.12
All	18.66	19.33	19.48	19.41	18.24	17.48	17.33	17.30	17.29	18.46

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	105.5	106.3	106.9	107.8	115.6	115.2	106.9	91.0	75.7	102.9	110
110DT2	128.8	121.6	118.3	119.4	123.1	116.6	104.3			123.0	110
110DT3	180.0	163.6	148.1	156.2	147.7					166.9	110
120DT1	109.7	111.7	116.4	121.4	129.9	126.4	114.5	95.5	79.2	113.5	120
120DT2	127.6	125.5	128.8	138.6	134.3	124.1	116.7			130.3	120
120DT3	177.2	160.0	159.3	166.1						162.1	120
130DT1	99.8	101.4	107.3	114.2	114.2	120.4	110.3	95.3	80.0	104.5	130
130DT2	114.3	112.5	116.2	117.2	120.0	113.1				115.7	130
130DT3	136.0	134.8	126.9	130.9	107.7					125.0	130
140pDT1	95.3			97.5	92.2	92.4	98.9	97.7	79.1	94.0	140
140pDT2	106.0	107.3	105.4	99.4	91.1	89.8	89.4			97.2	140
140pDT3	112.6	116.9	115.4	110.7	102.5	100.2				113.8	140
300pDT1	113.4	110.6	114.3	123.5	115.6	117.2	109.4	90.2	88.2	102.6	300
300pDT2	124.1	119.4	117.7	117.0	112.2	113.3	98.5	78.4		111.6	300
300pDT3	136.3	134.2	138.9	129.8	122.9					129.8	300
400pDT1	131.3	127.4	129.6	126.6	126.1	114.2	112.5	99.3	88.5	111.2	400
400pDT2	131.2	125.8	125.2	122.9	117.7	104.4	105.9			118.8	400
400pDT3	146.6	140.1	145.0	152.3	115.3					138.2	400
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1	All

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	82.0	82.9	83.7	84.7	88.2	86.3	80.5	73.6	60.7	80.0	110
110DT2	88.0	81.9	79.6	80.9	83.2	77.3	72.4			83.2	110
110DT3	86.5	72.8	65.3	68.4	68.2					76.4	110
120DT1	84.6	86.8	91.3	95.9	98.9	94.8	88.2	77.8	65.3	87.8	120
120DT2	88.8	87.3	92.8	99.4	92.8	85.4	83.6			91.1	120
120DT3	91.7	79.2	81.3	87.1						82.2	120
130DT1	74.5	77.2	83.9	86.5	85.3	85.9	84.3	78.3	65.8	80.7	130
130DT2	78.5	77.7	82.4	80.6	79.5	74.6				78.6	130
130DT3	75.1	71.4	72.3	66.9	56.7					67.6	130
140pDT1	71.6			70.3	65.4	66.4	74.0	78.3	61.8	71.0	140
140pDT2	79.2	79.4	78.4	68.7	59.5	57.8	64.1			67.6	140
140pDT3	76.4	76.4	74.4	70.0	58.5	55.4				73.1	140
300pDT1	91.6	91.8	92.0	94.5	91.0	93.6	86.9	74.3	75.2	83.1	300
300pDT2	97.2	92.6	86.6	83.9	79.8	81.9	72.4	60.0		81.9	300
300pDT3	95.1	89.5	85.0	77.9	71.6					83.8	300
400pDT1	107.7	102.7	101.1	99.9	97.3	88.0	88.0	78.8	70.2	87.1	400
400pDT2	103.9	95.6	91.4	87.1	81.3	72.3	74.0			85.2	400
400pDT3	100.5	92.8	86.1	85.7	67.6					87.8	400
All	87.1	83.1	83.2	84.7	83.9	84.3	83.6	76.1	67.9	82.4	All

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	23.5	23.4	23.2	23.1	27.3	28.9	26.4	17.4	15.1	22.9	110
110DT2	40.8	39.7	38.7	38.5	39.9	39.2	31.9			39.8	110
110DT3	93.5	90.8	82.8	87.9	79.5					90.5	110
120DT1	25.1	24.9	25.1	25.5	31.1	31.5	26.3	17.7	13.9	25.7	120
120DT2	38.8	38.1	36.0	39.2	41.5	38.7	33.1			39.2	120
120DT3	85.4	80.8	78.0	79.0						79.9	120
130DT1	25.3	24.2	23.4	27.7	28.9	34.5	26.0	17.0	14.2	23.8	130
130DT2	35.7	34.8	33.8	36.6	40.5	38.4				37.1	130
130DT3	61.0	63.4	54.5	64.1	51.0					57.4	130
140pDT1	23.7			27.2	26.8	26.0	24.9	19.4	17.3	22.9	140
140pDT2	26.8	27.9	27.0	30.7	31.7	32.0	25.3			29.6	140
140pDT3	36.1	40.6	41.0	40.7	44.0	44.8				40.6	140
300pDT1	21.8	18.8	22.2	29.0	24.6	23.7	22.6	15.9	13.0	19.5	300
300pDT2	27.0	26.8	31.1	33.1	32.4	31.4	26.0	18.4		29.7	300
300pDT3	41.2	44.7	53.9	51.8	51.2					45.9	300
400pDT1	23.6	24.7	28.6	26.7	28.8	26.2	24.5	20.5	18.3	24.1	400
400pDT2	27.3	30.2	33.7	35.8	36.4	32.1	31.9			33.6	400
400pDT3	46.2	47.3	58.9	66.6	47.7					50.4	400
All	40.3	42.0	42.2	41.5	36.4	32.6	25.3	17.7	14.7	33.7	All

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	22.3	22.0	21.7	21.4	23.7	25.1	24.7	19.1	19.9	22.3	110
110DT2	31.6	32.7	32.7	32.2	32.4	33.7	30.6			32.4	110
110DT3	51.9	55.5	55.9	56.2	53.8					54.2	110
120DT1	22.9	22.3	21.5	21.0	23.9	24.9	22.9	18.5	17.6	22.6	120
120DT2	30.4	30.4	28.0	28.3	30.9	31.2	28.4			30.1	120
120DT3	48.2	50.5	48.9	47.6						49.3	120
130DT1	25.4	23.9	21.8	24.2	25.3	28.6	23.6	17.9	17.8	22.7	130
130DT2	31.3	31.0	29.1	31.2	33.7	34.0				32.1	130
130DT3	44.8	47.0	43.0	48.9	47.4					45.9	130
140pDT1	24.9			27.9	29.1	28.1	25.1	19.9	21.8	24.4	140
140pDT2	25.3	26.0	25.6	30.9	34.7	35.6	28.3			30.4	140
140pDT3	32.1	34.7	35.5	36.8	43.0	44.7				35.7	140
300pDT1	19.2	17.0	19.5	23.5	21.3	20.2	20.6	17.7	14.7	19.0	300
300pDT2	21.7	22.5	26.4	28.3	28.9	27.7	26.4	23.4		26.6	300
300pDT3	30.2	33.3	38.8	40.0	41.7					35.4	300
400pDT1	18.0	19.4	22.0	21.1	22.9	22.9	21.7	20.6	20.6	21.7	400
400pDT2	20.8	24.0	26.9	29.1	30.9	30.7	30.1			28.3	400
400pDT3	31.5	33.7	40.6	43.7	41.4					36.5	400
All	31.6	33.6	33.7	32.9	30.3	27.9	23.2	18.8	17.8	29.0	All

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	1,921	2,186	499	120	228	340	885	450	733	7,362	110
110DT2	2,848	4,126	1,235	417	567	286	77	14	0	9,570	110
110DT3	1,775	2,331	642	213	63	2	6	0	0	5,032	110
120DT1	3,525	5,087	2,027	1,437	13,916	13,682	16,756	7,466	8,305	72,203	120
120DT2	4,906	13,726	10,030	7,869	25,556	8,505	1,190	40	38	71,861	120
120DT3	2,036	7,134	4,788	2,713	1,380	66	19	2	8	18,145	120
130DT1	388	412	143	245	1,780	1,954	12,459	4,115	3,366	24,862	130
130DT2	658	1,078	961	1,437	2,636	1,678	466	18	1	8,933	130
130DT3	482	944	686	535	494	131	37	3	24	3,336	130
140pDT1	384	1,002	619	839	3,163	1,870	7,617	4,361	4,766	24,621	140
140pDT2	1,903	5,015	3,157	2,913	9,816	3,026	1,502	178	61	27,571	140
140pDT3	3,988	15,474	11,757	4,777	3,605	451	39	2	25	40,119	140
300pDT1	603	1,143	808	614	4,489	2,952	16,271	8,963	9,762	45,607	300
300pDT2	1,712	3,468	1,516	2,005	8,376	4,305	3,726	731	304	26,143	300
300pDT3	2,356	4,197	1,901	1,258	1,856	372	233	77	398	12,649	300
400pDT1	252	515	453	562	2,552	2,162	5,883	2,450	2,332	17,161	400
400pDT2	1,294	2,243	1,401	2,448	5,727	2,053	684	111	26	15,988	400
400pDT3	1,017	1,808	829	535	673	220	30	2	1	5,114	400
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277	All

DT1,2,3 % of gross area	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	29.3	25.3	21.0	16.0	26.6	54.2	91.4	97.0	100.0	33.5	110
110DT2	43.5	47.7	52.0	55.6	66.1	45.5	8.0	3.0	0.0	43.6	110
110DT3	27.1	27.0	27.0	28.4	7.3	0.3	0.6	0.0	0.0	22.9	110
120DT1	33.7	19.6	12.0	12.0	34.1	61.5	93.3	99.4	99.5	44.5	120
120DT2	46.9	52.9	59.5	65.5	62.6	38.2	6.6	0.5	0.5	44.3	120
120DT3	19.5	27.5	28.4	22.6	3.4	0.3	0.1	0.0	0.1	11.2	120
130DT1	25.4	16.9	8.0	11.1	36.2	51.9	96.1	99.5	99.3	67.0	130
130DT2	43.1	44.3	53.7	64.8	53.7	44.6	3.6	0.4	0.0	24.1	130
130DT3	31.5	38.8	38.3	24.1	10.1	3.5	0.3	0.1	0.7	9.0	130
140pDT1	6.1	4.7	4.0	9.8	19.1	35.0	83.2	96.0	98.2	26.7	140
140pDT2	30.3	23.3	20.3	34.2	59.2	56.6	16.4	3.9	1.3	29.9	140
140pDT3	63.6	72.0	75.7	56.0	21.7	8.4	0.4	0.0	0.5	43.5	140
300pDT1	12.9	13.0	19.1	15.8	30.5	38.7	80.4	91.7	93.3	54.0	300
300pDT2	36.7	39.4	35.9	51.7	56.9	56.4	18.4	7.5	2.9	31.0	300
300pDT3	50.4	47.7	45.0	32.5	12.6	4.9	1.2	0.8	3.8	15.0	300
400pDT1	9.8	11.3	16.9	15.9	28.5	48.8	89.2	95.6	98.9	44.8	400
400pDT2	50.5	49.1	52.2	69.1	64.0	46.3	10.4	4.3	1.1	41.8	400
400pDT3	39.7	39.6	30.9	15.1	7.5	5.0	0.4	0.1	0.0	13.4	400
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0	All

AsIS Dimensioning W/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	36	37	37	37	40	40	37	32	28	36	110
110DT2	51	49	48	48	50	48	44			49	110
110DT3	80	74	69	72	70					75	110
120DT1	38	39	40	42	45	44	40	34	29	40	120
120DT2	51	50	52	56	55	51	48			53	120
120DT3	79	73	74	77						75	120
130DT1	34	35	37	39	40	42	38	34	29	36	130
130DT2	46	45	47	48	50	48				48	130
130DT3	64	63	61	64	57					61	130
140pDT1	33			34	33	33	34	35	29	33	140
140pDT2	43	44	43	42	40	39	38			41	140
140pDT3	51	53	52	52	50	49				52	140
300pDT1	42	41	43	46	43	43	41	36	35	39	300
300pDT2	54	52	52	52	50	50	45	40		50	300
300pDT3	64	63	65	63	59					61	300
400pDT1	49	48	49	48	49	45	44	41	36	44	400
400pDT2	58	57	57	56	55	50	51			55	400
400pDT3	69	67	69	72	61					67	400
All	53	53	54	54	49	46	40	35	32	47	All

Renovated Dimensioning W/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	29	29	29	30	31	31	29	27	23	28	110
110DT2	37	35	34	35	36	34	32			35	110
110DT3	45	40	37	39	40					41	110
120DT1	30	30	32	34	35	34	31	29	25	31	120
120DT2	37	37	39	42	40	38	36			39	120
120DT3	47	43	44	47						44	120
130DT1	26	27	29	31	31	31	30	28	24	29	130
130DT2	33	33	35	35	35	34				35	130
130DT3	40	39	40	39	37					39	130
140pDT1	25			25	24	24	26	29	24	26	140
140pDT2	34	34	34	31	28	28	29			31	140
140pDT3	38	38	37	37	34	33				37	140
300pDT1	35	35	36	37	35	36	34	31	31	33	300
300pDT2	44	43	41	41	39	39	36	34		39	300
300pDT3	49	47	46	44	41					45	300
400pDT1	42	40	40	40	39	36	36	34	32	36	400
400pDT2	48	46	45	44	42	39	39			43	400
400pDT3	52	50	48	49	43					49	400
All	39	38	39	39	37	35	32	30	27	35	All

ECONOMY

Basic invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	1,008	1,001	1,010	1,022	1,204	1,357	999	902	949	1,015	110
110DT2	1,498	1,443	1,392	1,458	1,678	1,846	1,522			1,480	110
110DT3	1,956	1,823	1,705	1,786	1,983					1,856	110
120DT1	1,039	1,040	1,051	1,120	1,352	1,436	1,037	952	916	1,153	120
120DT2	1,527	1,450	1,444	1,599	1,849	1,912	1,616			1,670	120
120DT3	1,967	1,742	1,735	1,909						1,820	120
130DT1	1,027	1,015	1,035	1,104	1,297	1,491	969	937	912	1,024	130
130DT2	1,434	1,389	1,392	1,511	1,833	1,836				1,627	130
130DT3	1,749	1,670	1,593	1,857	1,896					1,722	130
140pDT1	868			951	1,001	1,008	822	1,015	1,018	941	140
140pDT2	995	1,014	1,009	1,014	1,162	1,217	1,008			1,087	140
140pDT3	1,116	1,108	1,076	1,078	1,249	1,327				1,110	140
300pDT1	870	858	934	992	1,081	1,082	848	906	875	907	300
300pDT2	1,059	1,052	1,152	1,293	1,373	1,473	1,149	1,205		1,271	300
300pDT3	1,234	1,211	1,319	1,415	1,438					1,283	300
400pDT1	899	993	1,121	1,127	1,246	1,130	927	1,017	900	1,022	400
400pDT2	1,094	1,175	1,263	1,449	1,566	1,559	1,364			1,415	400
400pDT3	1,287	1,320	1,460	1,707	1,644					1,426	400
All	1,307	1,278	1,282	1,387	1,494	1,487	968	959	922	1,258	All

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	32	32	32	32	37	44	27	22	22	30	110
110DT2	62	64	62	62	65	68	52			63	110
110DT3	97	111	112	119	128					107	110
120DT1	33	32	32	33	38	44	27	21	20	32	120
120DT2	60	59	54	59	64	65	53			61	120
120DT3	95	112	112	120						112	120
130DT1	31	32	29	31	32	43	24	20	20	25	130
130DT2	51	52	45	47	52	55				50	130
130DT3	68	80	77	88	72					76	130
140pDT1	20			23	23	22	19	21	22	21	140
140pDT2	27	29	30	32	31	29	27			30	140
140pDT3	36	43	47	54	49	38				45	140
300pDT1	20	19	22	19	23	23	18	20	18	19	300
300pDT2	27	28	30	36	32	33	25	23		30	300
300pDT3	37	44	49	51	40					42	300
400pDT1	22	25	29	27	28	26	21	22	19	23	400
400pDT2	30	35	35	44	41	36	33			38	400
400pDT3	49	48	61	81	53					54	400
All	48	53	54	55	45	43	23	21	20	41	All

Energy DKK/(kWh/year)	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	1.35	1.36	1.39	1.40	1.35	1.52	1.03	1.26	1.44	1.33	110
110DT2	1.51	1.61	1.61	1.62	1.64	1.72	1.62			1.58	110
110DT3	1.04	1.23	1.36	1.36	1.61					1.18	110
120DT1	1.32	1.31	1.29	1.28	1.21	1.38	1.03	1.19	1.46	1.24	120
120DT2	1.55	1.56	1.49	1.51	1.53	1.69	1.61			1.55	120
120DT3	1.11	1.38	1.43	1.52						1.41	120
130DT1	1.24	1.31	1.25	1.13	1.10	1.26	0.93	1.20	1.41	1.07	130
130DT2	1.42	1.49	1.32	1.29	1.28	1.44				1.36	130
130DT3	1.12	1.26	1.41	1.38	1.41					1.31	130
140pDT1	0.84			0.85	0.87	0.86	0.75	1.10	1.28	0.92	140
140pDT2	1.00	1.05	1.11	1.04	0.97	0.91	1.07			1.01	140
140pDT3	1.00	1.05	1.16	1.32	1.12	0.84				1.11	140
300pDT1	0.94	1.02	0.97	0.67	0.92	0.98	0.79	1.25	1.37	0.99	300
300pDT2	0.99	1.05	0.98	1.10	0.98	1.04	0.96	1.28		1.01	300
300pDT3	0.90	0.99	0.91	0.98	0.78					0.92	300
400pDT1	0.93	1.00	1.03	0.99	0.96	0.99	0.85	1.06	1.04	0.95	400
400pDT2	1.10	1.15	1.05	1.24	1.12	1.12	1.04			1.13	400
400pDT3	1.05	1.03	1.04	1.22	1.11					1.07	400
All	1.19	1.27	1.28	1.33	1.25	1.31	0.93	1.18	1.35	1.23	All

Annualised Energy DKK/kWh	Interest 4.0 % p.a.										pS Total	
	p1	p2	p3	p4	p5	p6	p7	p8	p9			
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016			
110DT1	0.07	0.07	0.08	0.08	0.07	0.08	0.06	0.07	0.08	0.07	110	
110DT2	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09		0.08	110	
110DT3	0.05	0.06	0.07	0.07	0.08					0.06	110	
120DT1	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.08	0.07	120	
120DT2	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.08		0.08	120	
120DT3	0.06	0.07	0.07	0.07						0.07	120	
130DT1	0.07	0.07	0.07	0.06	0.06	0.07	0.05	0.07	0.08	0.06	130	
130DT2	0.07	0.08	0.07	0.07	0.07	0.08				0.07	130	
130DT3	0.06	0.06	0.07	0.07	0.07					0.07	130	
140pDT1	0.05			0.05	0.05	0.05	0.04	0.06	0.07	0.05	140	
140pDT2	0.05	0.06	0.06	0.06	0.05	0.05	0.06			0.05	140	
140pDT3	0.05	0.05	0.06	0.07	0.06	0.04				0.06	140	
300pDT1	0.05	0.06	0.05	0.04	0.05	0.05	0.04	0.07	0.08	0.06	300	
300pDT2	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.07		0.05	300	
300pDT3	0.05	0.05	0.05	0.05	0.04					0.05	300	
400pDT1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.05	400	
400pDT2	0.06	0.06	0.06	0.06	0.06	0.06	0.06			0.06	400	
400pDT3	0.05	0.05	0.05	0.06	0.06					0.05	400	
All	0.06	0.06	0.07	0.07	0.07	0.07	0.05	0.07	0.08	0.06	All	

Investments per building category

	Basis DKK million	Energy DKK million	Basis Annual investment	Energy DKK million/year	Energy NPV factor	Energy Lifetime
110	30,973	1,366	1,666	70	19.6	39
120	236,288	8,692	12,808	452	19.2	37
130	45,734	1,334	2,518	72	18.6	34
140p	97,689	3,159	5,475	167	18.9	35
300p	90,831	2,199	4,982	119	18.5	34
400p	47,464	1,279	2,588	68	18.8	35
All	548,979	18,028	30,037	948	19.0	36

Energy cost DKK/m ² per year	p1		p2		p3		p4		p5		p6		p7		p8		p9		pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total										
110DT1	1.71	1.72	1.74	1.74	1.98	2.36	1.50	1.24	1.25	1.65	110									
110DT2	3.17	3.27	3.19	3.20	3.39	3.54	2.74			3.24	110									
110DT3	4.86	5.47	5.49	5.81	6.26					5.28	110									
120DT1	1.79	1.75	1.75	1.77	2.05	2.34	1.50	1.21	1.18	1.74	120									
120DT2	3.11	3.06	2.80	3.08	3.32	3.42	2.81			3.16	120									
120DT3	4.73	5.45	5.45	5.87						5.49	120									
130DT1	1.70	1.71	1.59	1.68	1.75	2.34	1.35	1.17	1.16	1.42	130									
130DT2	2.66	2.71	2.35	2.49	2.74	2.95				2.66	130									
130DT3	3.49	3.99	3.83	4.41	3.62					3.80	130									
140pDT1	1.13			1.29	1.30	1.26	1.05	1.23	1.28	1.20	140									
140pDT2	1.46	1.60	1.62	1.69	1.68	1.60	1.48			1.62	140									
140pDT3	1.91	2.21	2.41	2.68	2.50	1.99				2.32	140									
300pDT1	1.13	1.07	1.19	1.09	1.24	1.27	1.00	1.13	1.02	1.08	300									
300pDT2	1.44	1.51	1.62	1.92	1.68	1.73	1.35	1.31		1.61	300									
300pDT3	1.94	2.25	2.49	2.58	2.05					2.17	300									
400pDT1	1.21	1.34	1.57	1.45	1.51	1.43	1.16	1.24	1.09	1.28	400									
400pDT2	1.61	1.84	1.86	2.30	2.16	1.93	1.79			2.02	400									
400pDT3	2.48	2.48	3.04	4.00	2.70					2.74	400									
All	2.49	2.72	2.75	2.81	2.39	2.29	1.30	1.19	1.14	2.17	All									

Lifetime Year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	34	34	34	34	34	35	33	31	30	33	110
110DT2	38	38	38	38	37	36	35			38	110
110DT3	41	42	43	43	43					42	110
120DT1	34	34	34	33	33	34	32	30	30	32	120
120DT2	37	38	37	37	37	36	36			37	120
120DT3	41	43	43	43						43	120
130DT1	34	34	33	34	32	34	32	30	30	32	130
130DT2	36	37	36	36	35	35				36	130
130DT3	38	40	41	41	40					40	130
140pDT1	31			32	31	31	31	30	30	31	140
140pDT2	33	34	34	35	33	33	33			33	140
140pDT3	35	37	39	41	39	35				38	140
300pDT1	32	32	33	31	33	33	32	31	30	32	300
300pDT2	34	35	35	36	35	35	33	32		35	300
300pDT3	36	38	39	39	38					38	300
400pDT1	33	33	34	33	33	33	32	30	30	32	400
400pDT2	35	36	36	37	35	34	34			35	400
400pDT3	38	38	41	43	38					39	400
All	36	37	38	38	35	34	32	30	30	35	All

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	135.9	129.1	124.0	128.0	122.9	116.0	106.9	91.0	75.7	126.3
120	131.2	132.3	136.0	142.7	133.5	125.5	114.7	95.6	79.3	126.4
130	117.5	119.3	119.6	120.2	116.6	115.5	110.1	95.3	79.6	109.0
140	109.5	114.0	113.5	105.5	93.8	91.6	97.4	97.0	78.7	103.5
300	128.9	125.3	126.6	122.2	114.6	115.1	107.6	89.1	87.1	109.5
400	137.4	131.6	132.0	127.9	119.9	108.8	111.9	98.4	88.2	118.0
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	85.8	79.7	76.6	78.0	83.5	82.1	79.6	72.3	60.7	80.6
120	87.9	85.0	89.3	96.2	94.4	91.2	87.9	77.8	65.3	88.6
130	76.4	75.2	78.7	77.9	79.3	79.4	83.9	78.3	65.4	79.0
140	77.0	77.1	75.7	69.6	60.4	60.6	72.3	77.6	61.4	70.9
300	95.4	91.0	86.9	83.6	82.2	86.3	84.1	72.9	73.8	82.8
400	102.9	95.3	91.4	88.9	84.8	79.5	86.5	77.8	69.9	86.4
All	87.1	83.1	83.2	84.7	83.9	84.3	83.6	76.1	67.9	82.4

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	50.0	49.3	47.4	50.1	39.4	33.9	27.3	18.6	15.1	45.8
120	43.3	47.3	46.6	46.5	39.1	34.4	26.8	17.8	14.0	37.7
130	41.0	44.1	40.9	42.3	37.3	36.1	26.1	17.1	14.1	30.0
140	32.6	36.8	37.8	35.9	33.4	31.0	25.0	19.4	17.2	32.6
300	33.5	34.3	39.7	38.5	32.4	28.8	23.5	16.2	13.4	26.6
400	34.4	36.4	40.6	39.0	35.1	29.3	25.4	20.7	18.3	31.6
All	40.3	42.0	42.2	41.5	36.4	32.6	25.3	17.7	14.7	33.7

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	36.8	38.2	38.2	39.1	32.1	29.2	25.6	20.5	19.9	36.2
120	33.0	35.7	34.3	32.6	29.3	27.4	23.4	18.6	17.7	29.9
130	34.9	37.0	34.2	35.2	32.0	31.3	23.8	17.9	17.8	27.5
140	29.7	32.3	33.3	34.1	35.6	33.8	25.7	20.0	21.9	31.5
300	26.0	27.4	31.3	31.5	28.3	25.0	21.9	18.1	15.4	24.3
400	25.1	27.6	30.8	30.5	29.3	26.9	22.7	21.0	20.8	26.8
All	31.6	33.6	33.7	32.9	30.3	27.9	23.2	18.8	17.8	29.0

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	6,544	8,643	2,376	749	858	628	968	464	733	21,964
120	10,467	25,948	16,846	12,018	40,852	22,254	17,965	7,508	8,351	162,208
130	1,529	2,434	1,790	2,218	4,910	3,763	12,962	4,135	3,391	37,130
140	6,276	21,491	15,533	8,529	16,585	5,348	9,157	4,540	4,852	92,312
300	4,671	8,809	4,225	3,878	14,721	7,630	20,230	9,771	10,465	84,399
400	2,564	4,566	2,683	3,545	8,952	4,436	6,597	2,562	2,359	38,264
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277

Gross area %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	29.8	39.3	10.8	3.4	3.9	2.9	4.4	2.1	3.3	5.0
120	6.5	16.0	10.4	7.4	25.2	13.7	11.1	4.6	5.1	37.2
130	4.1	6.6	4.8	6.0	13.2	10.1	34.9	11.1	9.1	8.5
140	6.8	23.3	16.8	9.2	18.0	5.8	9.9	4.9	5.3	21.2
300	5.5	10.4	5.0	4.6	17.4	9.0	24.0	11.6	12.4	19.3
400	6.7	11.9	7.0	9.3	23.4	11.6	17.2	6.7	6.2	8.8
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0

ECONOMY

Basic invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	9,676	12,393	3,318	1,110	1,350	994	1,015	422	696	30,973
120	15,159	37,616	24,918	19,370	68,994	36,050	19,338	7,170	7,674	236,288
130	2,186	3,492	2,578	3,437	8,078	6,224	12,767	3,883	3,089	45,734
140	6,680	23,110	16,404	8,904	19,071	6,167	7,812	4,614	4,928	97,689
300	5,246	9,713	5,010	4,983	19,019	10,103	18,380	9,080	9,297	90,831
400	2,952	5,534	3,487	5,094	13,258	5,973	6,424	2,615	2,128	47,464
All	41,900	91,858	55,713	42,897	129,770	65,510	65,736	27,783	27,812	548,979

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	410	593	165	55	54	35	29	10	16	1,366
120	606	1,776	1,138	840	2,326	1,157	519	159	171	8,692
130	78	144	100	123	228	184	324	84	68	1,334
140	202	831	669	368	553	147	184	97	107	3,159
300	145	304	157	149	441	222	392	197	190	2,199
400	94	179	113	167	340	138	147	56	45	1,279
All	1,536	3,827	2,343	1,702	3,942	1,884	1,593	604	597	18,028

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	63	69	70	74	62	55	30	22	22	62
120	58	68	68	70	57	52	29	21	21	54
130	51	59	56	55	46	49	25	20	20	36
140	32	39	43	43	33	27	20	21	22	34
300	31	35	37	39	30	29	19	20	18	26
400	37	39	42	47	38	31	22	22	19	33
All	48	53	54	55	45	43	23	21	20	41

Energy DKK/kWh	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	1.96	2.14	2.11	2.38	1.89	1.67	0.92	0.72	0.72	1.97
120	1.70	1.96	1.93	1.94	1.63	1.49	0.87	0.66	#VALUE!	1.55
130	1.43	1.56	1.43	1.42	1.22	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.96
140	0.98	1.17	1.27	1.31	1.01	0.83	0.63	0.71	0.74	1.07
300	0.89	0.96	1.03	1.04	0.86	0.86	0.57	#VALUE!	#VALUE!	0.74
400	0.97	1.03	1.03	1.09	1.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.86
All	1.33	1.43	1.42	1.46	1.29	1.25	0.73	0.69	0.66	1.19

Annualised Energy cost DKK million/year	Interest	4.0 % p.a.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
			-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110			21.0	30.0	8.3	2.8	2.8	1.8	1.6	0.6	0.9	70
120			31.2	89.8	57.7	42.7	121.9	61.5	28.5	9.1	9.9	452
130			4.1	7.4	5.1	6.4	12.1	9.9	17.9	4.9	3.9	72
140			10.9	43.4	34.3	18.8	29.6	8.1	10.3	5.6	6.2	167
300			7.7	15.9	8.1	7.8	23.5	11.9	21.7	11.2	10.9	119
400			4.9	9.3	5.8	8.6	18.1	7.5	8.1	3.2	2.6	68
All			80	196	119	87	208	101	88	35	34	948

Energy cost DKK/m ² per year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	3.20	3.47	3.51	3.71	3.22	2.92	1.62	1.26	1.25	3.17
120	2.98	3.46	3.42	3.56	2.98	2.76	1.59	1.22	1.18	2.79
130	2.68	3.04	2.86	2.86	2.47	2.63	1.38	1.17	1.15	1.93
140	1.73	2.02	2.21	2.20	1.78	1.52	1.12	1.24	1.27	1.81
300	1.65	1.80	1.93	2.00	1.59	1.56	1.07	1.15	1.04	1.41
400	1.92	2.04	2.18	2.42	2.02	1.69	1.24	1.24	1.10	1.78
All	2.49	2.72	2.75	2.81	2.39	2.29	1.30	1.19	1.14	2.17

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.06	0.07	0.07	0.07	0.08	0.09	0.06	0.07	0.08	0.07
120	0.07	0.07	0.07	0.08	0.08	0.08	0.06	0.07	0.08	0.07
130	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.07	0.08	0.06
140	0.05	0.05	0.06	0.06	0.05	0.05	0.04	0.06	0.07	0.06
300	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.08	0.05
400	0.06	0.06	0.05	0.06	0.06	0.06	0.05	0.06	0.06	0.06
All	0.06	0.06	0.07	0.07	0.07	0.07	0.05	0.07	0.08	0.06

Lifetime year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	38	39	40	40	38	36	33	31	30	39
120	38	39	39	39	36	35	33	30	30	37
130	37	38	38	37	35	34	32	30	30	34
140	34	36	38	39	35	32	31	30	30	35
300	35	37	37	37	35	35	32	31	30	34
400	36	37	38	38	35	34	32	30	30	35
All	37	38	39	38	36	35	32	30	30	36

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.203	0.232	0.053	0.013	0.026	0.039	0.095	0.041	0.056	0.758
110DT2	0.367	0.502	0.146	0.050	0.070	0.033	0.008	0.001	0.000	1.177
110DT3	0.320	0.381	0.095	0.033	0.009	0.000	0.001	0.000	0.000	0.840
120DT1	0.387	0.568	0.236	0.174	1.808	1.729	1.919	0.713	0.658	8.193
120DT2	0.626	1.722	1.292	1.090	3.433	1.055	0.139	0.004	0.004	9.365
120DT3	0.361	1.141	0.763	0.451	0.214	0.009	0.003	0.000	0.000	2.941
130DT1	0.039	0.042	0.015	0.028	0.203	0.235	1.374	0.392	0.269	2.598
130DT2	0.075	0.121	0.112	0.168	0.316	0.190	0.049	0.002	0.000	1.033
130DT3	0.066	0.127	0.087	0.070	0.053	0.009	0.004	0.000	0.001	0.417
140pDT1	0.037	0.101	0.073	0.082	0.292	0.173	0.753	0.426	0.377	2.313
140pDT2	0.202	0.538	0.333	0.289	0.895	0.272	0.134	0.014	0.004	2.681
140pDT3	0.449	1.809	1.357	0.529	0.369	0.045	0.004	0.000	0.001	4.564
300pDT1	0.068	0.126	0.092	0.076	0.519	0.346	1.781	0.809	0.861	4.678
300pDT2	0.213	0.414	0.178	0.235	0.940	0.488	0.367	0.057	0.027	2.918
300pDT3	0.321	0.563	0.264	0.163	0.228	0.044	0.029	0.004	0.023	1.641
400pDT1	0.033	0.066	0.059	0.071	0.322	0.247	0.662	0.243	0.206	1.909
400pDT2	0.170	0.282	0.175	0.301	0.674	0.214	0.072	0.009	0.002	1.900
400pDT3	0.149	0.253	0.120	0.081	0.078	0.021	0.004	0.000	0.000	0.707
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.157	0.181	0.042	0.010	0.020	0.029	0.071	0.033	0.044	0.589
110DT2	0.251	0.338	0.098	0.034	0.047	0.022	0.006	0.000	0.000	0.796
110DT3	0.154	0.170	0.042	0.015	0.004	0.000	0.000	0.000	0.000	0.385
120DT1	0.298	0.442	0.185	0.138	1.376	1.298	1.479	0.581	0.543	6.338
120DT2	0.435	1.199	0.931	0.782	2.371	0.726	0.099	0.003	0.003	6.549
120DT3	0.187	0.565	0.389	0.236	0.108	0.004	0.001	0.000	0.000	1.492
130DT1	0.029	0.032	0.012	0.021	0.152	0.168	1.050	0.322	0.221	2.007
130DT2	0.052	0.084	0.079	0.116	0.210	0.125	0.035	0.001	0.000	0.702
130DT3	0.036	0.067	0.050	0.036	0.028	0.005	0.002	0.000	0.001	0.225
140pDT1	0.027	0.078	0.054	0.059	0.207	0.124	0.564	0.342	0.295	1.749
140pDT2	0.151	0.398	0.247	0.200	0.584	0.175	0.096	0.011	0.003	1.865
140pDT3	0.305	1.182	0.875	0.334	0.211	0.025	0.002	0.000	0.001	2.934
300pDT1	0.055	0.105	0.074	0.058	0.408	0.276	1.413	0.666	0.734	3.791
300pDT2	0.166	0.321	0.131	0.168	0.668	0.353	0.270	0.044	0.020	2.141
300pDT3	0.224	0.376	0.162	0.098	0.133	0.030	0.018	0.003	0.018	1.060
400pDT1	0.027	0.053	0.046	0.056	0.248	0.190	0.518	0.193	0.164	1.495
400pDT2	0.134	0.214	0.128	0.213	0.466	0.148	0.051	0.006	0.001	1.362
400pDT3	0.102	0.168	0.071	0.046	0.045	0.014	0.002	0.000	0.000	0.449
All	2.792	5.971	3.616	2.620	7.287	3.714	5.678	2.205	2.047	35.930

Saving TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.045	0.051	0.012	0.003	0.006	0.010	0.023	0.008	0.011	0.169
110DT2	0.116	0.164	0.048	0.016	0.023	0.011	0.002	0.001	0.000	0.381
110DT3	0.166	0.212	0.053	0.019	0.005	0.000	0.001	0.000	0.000	0.455
120DT1	0.089	0.127	0.051	0.037	0.432	0.431	0.440	0.132	0.116	1.854
120DT2	0.190	0.523	0.361	0.308	1.061	0.329	0.039	0.001	0.001	2.816
120DT3	0.174	0.576	0.373	0.214	0.105	0.004	0.001	0.000	0.000	1.449
130DT1	0.010	0.010	0.003	0.007	0.051	0.067	0.324	0.070	0.048	0.591
130DT2	0.024	0.038	0.032	0.053	0.107	0.065	0.013	0.000	0.000	0.331
130DT3	0.029	0.060	0.037	0.034	0.025	0.004	0.001	0.000	0.000	0.192
140pDT1	0.009	0.024	0.019	0.023	0.085	0.049	0.189	0.085	0.082	0.564
140pDT2	0.051	0.140	0.085	0.089	0.311	0.097	0.038	0.003	0.001	0.816
140pDT3	0.144	0.628	0.482	0.194	0.159	0.020	0.002	0.000	0.000	1.630
300pDT1	0.013	0.022	0.018	0.018	0.110	0.070	0.367	0.143	0.127	0.888
300pDT2	0.046	0.093	0.047	0.066	0.271	0.135	0.097	0.013	0.008	0.777
300pDT3	0.097	0.188	0.102	0.065	0.095	0.014	0.012	0.002	0.005	0.581
400pDT1	0.006	0.013	0.013	0.015	0.074	0.057	0.144	0.050	0.043	0.413
400pDT2	0.035	0.068	0.047	0.088	0.208	0.066	0.022	0.003	0.001	0.538
400pDT3	0.047	0.085	0.049	0.036	0.032	0.007	0.002	0.000	0.000	0.258
All	1.292	3.020	1.834	1.285	3.161	1.437	1.719	0.512	0.443	14.703

Basic invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	1,935.9	2,188.8	503.8	122.3	274.7	462.0	883.8	406.2	696.0	7,473.4
110DT2	4,267.5	5,955.2	1,719.3	607.6	951.5	527.2	117.8	15.4	0.0	14,161.3
110DT3	3,472.7	4,248.6	1,094.7	380.5	124.2	4.6	13.3	0.0	0.0	9,338.7
120DT1	3,662.0	5,292.8	2,130.8	1,609.2	18,809.6	19,652.6	17,378.8	7,110.1	7,609.8	83,255.7
120DT2	7,493.0	19,898.6	14,480.8	12,581.6	47,263.3	16,259.5	1,923.4	56.4	56.6	120,013.2
120DT3	4,004.4	12,424.4	8,306.1	5,178.9	2,921.0	137.6	35.4	3.6	7.4	33,018.9
130DT1	398.9	418.1	148.5	270.6	2,307.5	2,913.8	12,069.0	3,857.0	3,071.1	25,454.5
130DT2	944.4	1,497.0	1,336.8	2,172.5	4,833.1	3,079.9	649.5	22.5	0.4	14,536.2
130DT3	842.6	1,576.9	1,092.4	993.5	937.2	230.6	49.0	3.5	17.1	5,742.9
140pDT1	333.5	883.8	568.4	798.4	3,167.1	1,886.0	6,258.7	4,427.1	4,851.1	23,174.1
140pDT2	1,894.7	5,084.7	3,186.2	2,955.0	11,401.7	3,681.9	1,513.5	185.5	64.9	29,968.1
140pDT3	4,452.0	17,141.4	12,648.9	5,150.3	4,501.8	599.2	40.2	1.1	12.0	44,546.9
300pDT1	524.3	981.2	755.4	609.2	4,850.0	3,193.7	13,804.1	8,116.9	8,543.1	41,377.9
300pDT2	1,814.0	3,648.8	1,746.6	2,592.7	11,499.2	6,340.6	4,280.9	881.3	423.9	33,227.9
300pDT3	2,907.5	5,083.3	2,507.7	1,781.1	2,670.2	568.2	295.3	82.0	329.9	16,225.1
400pDT1	226.8	511.5	507.3	634.0	3,180.4	2,443.4	5,450.7	2,491.7	2,098.3	17,544.1
400pDT2	1,416.2	2,635.5	1,769.3	3,547.3	8,971.6	3,201.0	933.7	121.5	29.2	22,625.3
400pDT3	1,309.3	2,387.4	1,210.4	912.3	1,105.5	328.4	39.1	1.7	0.9	7,295.1
All	41,899.8	91,858.0	55,713.2	42,896.9	129,769.7	65,510.2	65,736.2	27,783.3	27,811.8	548,979.1

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	61.0	69.7	16.1	3.9	8.4	15.0	24.1	9.9	16.0	224.0
110DT2	175.6	263.8	77.0	25.9	37.1	19.3	4.0	0.5	0.0	603.2
110DT3	173.0	259.5	72.1	25.4	8.0	0.4	0.5	0.0	0.0	539.0
120DT1	117.1	165.3	65.7	46.8	524.2	595.3	453.3	157.3	169.3	2,294.4
120DT2	295.7	814.6	537.2	466.5	1,624.8	554.4	63.3	1.5	2.0	4,360.1
120DT3	192.9	795.8	535.4	326.5	176.9	7.2	2.0	0.3	0.2	2,037.1
130DT1	12.2	13.0	4.2	7.7	56.3	84.7	302.4	83.8	67.6	631.8
130DT2	33.4	56.0	42.8	68.0	136.2	93.1	20.1	0.4	0.0	450.0
130DT3	32.9	75.2	52.7	47.2	35.5	6.7	1.2	0.1	0.4	251.9
140pDT1	7.7	21.4	16.8	19.4	73.3	41.8	141.2	93.3	105.7	520.7
140pDT2	50.8	147.7	94.5	92.7	302.5	88.1	40.6	3.9	1.3	822.1
140pDT3	144.0	661.4	557.7	256.3	177.4	16.9	2.0	0.0	0.2	1,816.1
300pDT1	12.3	21.9	17.4	11.9	101.9	68.8	289.9	178.6	174.1	876.8
300pDT2	45.7	97.7	46.1	73.1	265.4	140.6	92.7	17.2	8.8	787.4
300pDT3	87.4	184.8	93.6	64.3	74.1	13.0	9.0	1.6	6.9	534.7
400pDT1	5.6	12.7	13.3	14.9	70.2	56.3	122.2	53.1	44.2	392.4
400pDT2	39.1	78.3	49.5	108.3	234.1	73.8	22.8	2.4	0.9	609.2
400pDT3	49.4	87.6	50.5	43.6	35.6	8.3	2.0	0.0	0.0	277.0
All	1,535.8	3,826.5	2,342.7	1,702.5	3,942.0	1,883.7	1,593.2	604.0	597.4	18,027.8

Energy cost DKK million/year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	3.3	3.8	0.9	0.2	0.5	0.8	1.3	0.6	0.9	12.2
110DT2	9.0	13.5	3.9	1.3	1.9	1.0	0.2	0.0	0.0	31.0
110DT3	8.6	12.7	3.5	1.2	0.4	0.0	0.0	0.0	0.0	26.6
120DT1	6.3	8.9	3.5	2.5	28.5	32.0	25.1	9.0	9.8	125.7
120DT2	15.3	42.1	28.0	24.3	84.8	29.1	3.3	0.1	0.1	227.1
120DT3	9.6	38.8	26.1	15.9	8.6	0.4	0.1	0.0	0.0	99.6
130DT1	0.7	0.7	0.2	0.4	3.1	4.6	16.8	4.8	3.9	35.2
130DT2	1.8	2.9	2.3	3.6	7.2	4.9	1.1	0.0	0.0	23.8
130DT3	1.7	3.8	2.6	2.4	1.8	0.4	0.1	0.0	0.0	12.7
140pDT1	0.4	1.2	0.9	1.1	4.1	2.4	8.0	5.4	6.1	29.6
140pDT2	2.8	8.0	5.1	4.9	16.5	4.8	2.2	0.2	0.1	44.6
140pDT3	7.6	34.2	28.3	12.8	9.0	0.9	0.1	0.0	0.0	93.0
300pDT1	0.7	1.2	1.0	0.7	5.6	3.7	16.2	10.1	10.0	49.2
300pDT2	2.5	5.2	2.5	3.8	14.1	7.5	5.0	1.0	0.5	42.0
300pDT3	4.6	9.4	4.7	3.2	3.8	0.7	0.5	0.1	0.4	27.4
400pDT1	0.3	0.7	0.7	0.8	3.9	3.1	6.8	3.0	2.5	21.9
400pDT2	2.1	4.1	2.6	5.6	12.4	4.0	1.2	0.1	0.0	32.2
400pDT3	2.5	4.5	2.5	2.1	1.8	0.4	0.1	0.0	0.0	14.0
All	79.7	195.8	119.4	87.0	207.9	100.7	88.2	34.6	34.4	947.8

Interest	4.0	% p.a.
NPV factor	Lifetime	
0.96	1.0	
1.89	2.0	
2.78	3.0	
3.63	4.0	
4.45	5.0	
5.24	6.0	
6.00	7.0	
6.73	8.0	
7.44	9.0	
8.11	10.0	
8.76	11.0	
9.39	12.0	
9.99	13.0	
10.56	14.0	
11.12	15.0	
11.65	16.0	
12.17	17.0	
12.66	18.0	
13.13	19.0	
13.59	20.0	
14.03	21.0	
14.45	22.0	
14.86	23.0	
15.25	24.0	
15.62	25.0	
15.98	26.0	
16.33	27.0	
16.66	28.0	
16.98	29.0	
17.29	30.0	
17.59	31.0	
17.87	32.0	
18.15	33.0	
18.41	34.0	
18.66	35.0	
18.91	36.0	
19.14	37.0	
19.37	38.0	
19.58	39.0	
19.79	40.0	
19.99	41.0	
20.19	42.0	
20.37	43.0	
20.55	44.0	
20.72	45.0	
20.88	46.0	
21.04	47.0	
21.20	48.0	
21.34	49.0	
21.48	50.0	
21.62	51.0	
21.75	52.0	
21.87	53.0	
21.99	54.0	
22.11	55.0	
22.22	56.0	
22.33	57.0	
22.43	58.0	
22.53	59.0	
22.62	60.0	

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016
110DT1	18.56	18.56	18.55	18.53	18.62	18.69	18.15	17.73	17.43
110DT2	19.44	19.55	19.55	19.43	19.33	19.09	18.89		
110DT3	20.04	20.37	20.45	20.51	20.52				
120DT1	18.61	18.53	18.52	18.40	18.40	18.58	18.06	17.39	17.33
120DT2	19.35	19.37	19.16	19.22	19.15	19.05	18.92		
120DT3	20.03	20.49	20.51	20.51					
130DT1	18.45	18.53	18.33	18.60	18.13	18.49	18.00	17.38	17.36
130DT2	19.08	19.18	18.96	18.98	18.86	18.81			
130DT3	19.54	19.96	20.07	20.00	19.82				
140pDT1	17.69			17.88	17.81	17.72	17.69	17.33	17.34
140pDT2	18.24	18.46	18.49	18.80	18.38	18.18	18.34		
140pDT3	18.86	19.34	19.70	20.06	19.67	18.86			
300pDT1	18.02	17.96	18.16	17.86	18.27	18.39	17.88	17.60	17.44
300pDT2	18.56	18.71	18.81	19.04	18.86	18.84	18.39	17.89	
300pDT3	19.12	19.58	19.79	19.77	19.46				
400pDT1	18.26	18.32	18.66	18.28	18.21	18.25	17.91	17.41	17.32
400pDT2	18.74	18.93	18.96	19.23	18.89	18.66	18.59		
400pDT3	19.58	19.57	20.05	20.38	19.57				

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.889	1.115	0.295	0.096	0.105	0.073	0.103	0.042	0.056	2.774
120	1.373	3.432	2.290	1.715	5.454	2.793	2.060	0.718	0.663	20.499
130	0.180	0.290	0.214	0.267	0.573	0.435	1.427	0.394	0.270	4.048
140	0.687	2.449	1.762	0.900	1.556	0.490	0.892	0.440	0.382	9.558
300	0.602	1.104	0.535	0.474	1.686	0.878	2.177	0.870	0.912	9.238
400	0.352	0.601	0.354	0.454	1.073	0.482	0.738	0.252	0.208	4.515
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.562	0.689	0.182	0.058	0.072	0.052	0.077	0.034	0.044	1.769
120	0.920	2.205	1.505	1.156	3.856	2.028	1.579	0.584	0.545	14.379
130	0.117	0.183	0.141	0.173	0.389	0.299	1.088	0.324	0.222	2.935
140	0.483	1.657	1.176	0.593	1.001	0.324	0.662	0.352	0.298	6.548
300	0.446	0.802	0.367	0.324	1.210	0.659	1.701	0.713	0.772	6.992
400	0.264	0.435	0.245	0.315	0.759	0.353	0.571	0.199	0.165	3.306
All	2.792	5.971	3.616	2.620	7.287	3.714	5.678	2.205	2.047	35.930

Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.327	0.427	0.113	0.038	0.034	0.021	0.026	0.009	0.011	1.005
120	0.453	1.227	0.785	0.559	1.599	0.764	0.481	0.134	0.117	6.119
130	0.063	0.107	0.073	0.094	0.183	0.136	0.339	0.071	0.048	1.114
140	0.204	0.792	0.586	0.307	0.554	0.166	0.229	0.088	0.084	3.010
300	0.156	0.302	0.168	0.149	0.477	0.220	0.476	0.158	0.140	2.246
400	0.088	0.166	0.109	0.138	0.314	0.130	0.167	0.053	0.043	1.209
All	1.292	3.020	1.834	1.285	3.161	1.437	1.719	0.512	0.443	14.703

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	19.55	19.78	19.83	19.84	19.38	18.93	18.27	17.75	17.43	19.60
120	19.41	19.77	19.73	19.65	19.07	18.81	18.16	17.41	17.35	19.21
130	19.17	19.51	19.50	19.34	18.82	18.66	18.05	17.38	17.36	18.61
140	18.65	19.14	19.49	19.60	18.69	18.12	17.85	17.34	17.34	18.90
300	18.84	19.17	19.30	19.25	18.82	18.71	18.04	17.63	17.47	18.54
400	19.14	19.19	19.39	19.43	18.82	18.50	18.04	17.41	17.35	18.77
All	19.26	19.54	19.61	19.57	18.96	18.71	18.06	17.47	17.39	19.02

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	105.5	106.3	106.9	107.8	115.6	115.2	106.9	91.0	75.7	102.9	110
110DT2	128.8	121.6	118.3	119.4	123.1	116.6	104.3			123.0	110
110DT3	180.0	163.6	148.1	156.2	147.7					166.9	110
120DT1	109.7	111.7	116.4	121.4	129.9	126.4	114.5	95.5	79.2	113.5	120
120DT2	127.6	125.5	128.8	138.6	134.3	124.1	116.7			130.3	120
120DT3	177.2	160.0	159.3	166.1						162.1	120
130DT1	99.8	101.4	107.3	114.2	114.2	120.4	110.3	95.3	80.0	104.5	130
130DT2	114.3	112.5	116.2	117.2	120.0	113.1				115.7	130
130DT3	136.0	134.8	126.9	130.9	107.7					125.0	130
140pDT1	95.3			97.5	92.2	92.4	98.9	97.7	79.1	94.0	140
140pDT2	106.0	107.3	105.4	99.4	91.1	89.8	89.4			97.2	140
140pDT3	112.6	116.9	115.4	110.7	102.5	100.2				113.8	140
300pDT1	113.4	110.6	114.3	123.5	115.6	117.2	109.4	90.2	88.2	102.6	300
300pDT2	124.1	119.4	117.7	117.0	112.2	113.3	98.5	78.4		111.6	300
300pDT3	136.3	134.2	138.9	129.8	122.9					129.8	300
400pDT1	131.3	127.4	129.6	126.6	126.1	114.2	112.5	99.3	88.5	111.2	400
400pDT2	131.2	125.8	125.2	122.9	117.7	104.4	105.9			118.8	400
400pDT3	146.6	140.1	145.0	152.3	115.3					138.2	400
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1	All

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	78.5	79.5	80.5	81.6	84.6	82.6	76.7	71.7	60.0	76.9	110
110DT2	82.0	76.9	75.1	76.2	78.2	72.7	68.1			78.0	110
110DT3	75.7	65.7	60.1	63.0	61.8					68.3	110
120DT1	80.9	83.6	88.2	92.6	94.7	90.7	84.5	76.5	64.9	84.6	120
120DT2	82.6	82.3	87.6	93.7	87.1	80.2	78.7			85.7	120
120DT3	79.7	72.2	74.8	79.9						74.8	120
130DT1	71.5	74.2	80.8	83.2	81.6	82.2	80.3	76.2	65.0	77.6	130
130DT2	72.7	72.3	76.7	74.4	73.6	69.5				73.0	130
130DT3	65.8	63.3	65.1	60.2	50.0					60.3	130
140pDT1	70.4			68.7	64.1	64.9	72.1	77.6	61.5	69.8	140
140pDT2	77.4	77.5	76.5	66.8	57.3	55.2	61.7			65.6	140
140pDT3	73.7	73.6	71.3	67.4	54.7	50.1				70.2	140
300pDT1	89.9	89.6	90.1	91.1	88.3	90.5	84.8	73.1	74.2	81.3	300
300pDT2	94.7	89.8	83.7	80.8	76.2	77.9	69.4	57.7		78.6	300
300pDT3	91.1	85.7	80.2	73.3	66.6					79.6	300
400pDT1	104.5	99.8	98.0	97.3	94.1	85.6	85.2	77.5	69.7	84.8	400
400pDT2	100.3	92.0	87.8	82.8	76.8	67.8	69.7			81.0	400
400pDT3	96.4	88.7	81.1	78.9	62.4					83.1	400
All	82.1	79.0	79.1	80.3	79.6	80.3	80.6	74.8	67.2	78.7	All

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	27.0	26.8	26.4	26.2	31.0	32.6	30.1	19.3	15.8	26.1	110
110DT2	46.8	44.7	43.2	43.2	44.9	43.9	36.3			45.0	110
110DT3	104.3	97.9	88.0	93.3	85.9					98.6	110
120DT1	28.8	28.2	28.1	28.8	35.2	35.7	30.0	19.0	14.4	28.9	120
120DT2	44.9	43.2	41.2	44.8	47.2	43.8	38.0			44.6	120
120DT3	97.4	87.8	84.5	86.2						87.3	120
130DT1	28.3	27.2	26.5	31.0	32.6	38.2	30.0	19.2	14.9	26.9	130
130DT2	41.6	40.2	39.5	42.8	46.4	43.6				42.7	130
130DT3	70.2	71.4	61.7	70.7	57.7					64.8	130
140pDT1	25.0			28.8	28.1	27.5	26.7	20.1	17.6	24.2	140
140pDT2	28.6	29.8	28.9	32.5	33.8	34.6	27.7			31.7	140
140pDT3	38.9	43.4	44.1	43.3	47.8	50.1				43.6	140
300pDT1	23.5	21.0	24.2	32.3	27.3	26.7	24.7	17.1	14.0	21.3	300
300pDT2	29.5	29.6	34.0	36.3	36.0	35.4	29.0	20.7		33.0	300
300pDT3	45.3	48.5	58.7	56.5	56.3					50.2	300
400pDT1	26.9	27.7	31.6	29.3	32.0	28.6	27.3	21.8	18.8	26.4	400
400pDT2	30.9	33.8	37.4	40.1	40.9	36.5	36.1			37.8	400
400pDT3	50.2	51.4	63.9	73.3	52.9					55.1	400
All	45.3	46.1	46.4	45.9	40.6	36.6	28.4	19.0	15.4	37.3	All

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	25.6	25.2	24.7	24.3	26.8	28.3	28.2	21.2	20.8	25.3	110
110DT2	36.3	36.8	36.6	36.2	36.5	37.6	34.8			36.6	110
110DT3	57.9	59.8	59.4	59.7	58.1					59.1	110
120DT1	26.2	25.2	24.2	23.7	27.1	28.2	26.2	19.9	18.1	25.5	120
120DT2	35.2	34.4	32.0	32.4	35.2	35.3	32.5			34.2	120
120DT3	55.0	54.9	53.0	51.9						53.9	120
130DT1	28.4	26.8	24.7	27.2	28.5	31.7	27.2	20.1	18.7	25.8	130
130DT2	36.4	35.7	34.0	36.5	38.6	38.6				36.9	130
130DT3	51.6	53.0	48.7	54.0	53.6					51.8	130
140pDT1	26.2			29.5	30.5	29.8	27.0	20.6	22.3	25.7	140
140pDT2	27.0	27.8	27.4	32.8	37.1	38.5	31.0			32.6	140
140pDT3	34.5	37.1	38.2	39.1	46.6	50.0				38.3	140
300pDT1	20.7	19.0	21.2	26.2	23.6	22.8	22.5	19.0	15.9	20.8	300
300pDT2	23.7	24.8	28.9	31.0	32.1	31.3	29.5	26.4		29.6	300
300pDT3	33.2	36.2	42.3	43.5	45.8					38.7	300
400pDT1	20.4	21.7	24.4	23.1	25.4	25.1	24.3	22.0	21.2	23.8	400
400pDT2	23.6	26.8	29.9	32.6	34.7	35.0	34.1			31.8	400
400pDT3	34.3	36.7	44.1	48.2	45.9					39.9	400
All	35.5	36.9	37.0	36.3	33.8	31.3	26.1	20.3	18.7	32.2	All

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	1,921	2,186	499	120	228	340	885	450	733	7,362	110
110DT2	2,848	4,126	1,235	417	567	286	77	14	0	9,570	110
110DT3	1,775	2,331	642	213	63	2	6	0	0	5,032	110
120DT1	3,525	5,087	2,027	1,437	13,916	13,682	16,756	7,466	8,305	72,203	120
120DT2	4,906	13,726	10,030	7,869	25,556	8,505	1,190	40	38	71,861	120
120DT3	2,036	7,134	4,788	2,713	1,380	66	19	2	8	18,145	120
130DT1	388	412	143	245	1,780	1,954	12,459	4,115	3,366	24,862	130
130DT2	658	1,078	961	1,437	2,636	1,678	466	18	1	8,933	130
130DT3	482	944	686	535	494	131	37	3	24	3,336	130
140pDT1	384	1,002	619	839	3,163	1,870	7,617	4,361	4,766	24,621	140
140pDT2	1,903	5,015	3,157	2,913	9,816	3,026	1,502	178	61	27,571	140
140pDT3	3,988	15,474	11,757	4,777	3,605	451	39	2	25	40,119	140
300pDT1	603	1,143	808	614	4,489	2,952	16,271	8,963	9,762	45,607	300
300pDT2	1,712	3,468	1,516	2,005	8,376	4,305	3,726	731	304	26,143	300
300pDT3	2,356	4,197	1,901	1,258	1,856	372	233	77	398	12,649	300
400pDT1	252	515	453	562	2,552	2,162	5,883	2,450	2,332	17,161	400
400pDT2	1,294	2,243	1,401	2,448	5,727	2,053	684	111	26	15,988	400
400pDT3	1,017	1,808	829	535	673	220	30	2	1	5,114	400
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277	All

DT1,2,3 % of gross area	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	29.3	25.3	21.0	16.0	26.6	54.2	91.4	97.0	100.0	33.5	110
110DT2	43.5	47.7	52.0	55.6	66.1	45.5	8.0	3.0	0.0	43.6	110
110DT3	27.1	27.0	27.0	28.4	7.3	0.3	0.6	0.0	0.0	22.9	110
120DT1	33.7	19.6	12.0	12.0	34.1	61.5	93.3	99.4	99.5	44.5	120
120DT2	46.9	52.9	59.5	65.5	62.6	38.2	6.6	0.5	0.5	44.3	120
120DT3	19.5	27.5	28.4	22.6	3.4	0.3	0.1	0.0	0.1	11.2	120
130DT1	25.4	16.9	8.0	11.1	36.2	51.9	96.1	99.5	99.3	67.0	130
130DT2	43.1	44.3	53.7	64.8	53.7	44.6	3.6	0.4	0.0	24.1	130
130DT3	31.5	38.8	38.3	24.1	10.1	3.5	0.3	0.1	0.7	9.0	130
140pDT1	6.1	4.7	4.0	9.8	19.1	35.0	83.2	96.0	98.2	26.7	140
140pDT2	30.3	23.3	20.3	34.2	59.2	56.6	16.4	3.9	1.3	29.9	140
140pDT3	63.6	72.0	75.7	56.0	21.7	8.4	0.4	0.0	0.5	43.5	140
300pDT1	12.9	13.0	19.1	15.8	30.5	38.7	80.4	91.7	93.3	54.0	300
300pDT2	36.7	39.4	35.9	51.7	56.9	56.4	18.4	7.5	2.9	31.0	300
300pDT3	50.4	47.7	45.0	32.5	12.6	4.9	1.2	0.8	3.8	15.0	300
400pDT1	9.8	11.3	16.9	15.9	28.5	48.8	89.2	95.5	98.9	44.8	400
400pDT2	50.5	49.1	52.2	69.1	64.0	46.3	10.4	4.3	1.1	41.8	400
400pDT3	39.7	39.6	30.9	15.1	7.5	5.0	0.4	0.1	0.0	13.4	400
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0	All

AsIS Dimensioning W/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	36	37	37	37	40	40	37	32	28	36	110
110DT2	51	49	48	48	50	48	44			49	110
110DT3	80	74	69	72	70					75	110
120DT1	38	39	40	42	45	44	40	34	29	40	120
120DT2	51	50	52	56	55	51	48			53	120
120DT3	79	73	74	77						75	120
130DT1	34	35	37	39	40	42	38	34	29	36	130
130DT2	46	45	47	48	50	48				48	130
130DT3	64	63	61	64	57					61	130
140pDT1	33			34	33	33	34	35	29	33	140
140pDT2	43	44	43	42	40	39	38			41	140
140pDT3	51	53	52	52	50	49				52	140
300pDT1	42	41	43	46	43	43	41	36	35	39	300
300pDT2	54	52	52	52	50	50	45	40		50	300
300pDT3	64	63	65	63	59					61	300
400pDT1	49	48	49	48	49	45	44	41	36	44	400
400pDT2	58	57	57	56	55	50	51			55	400
400pDT3	69	67	69	72	61					67	400
All	53	53	54	54	49	46	40	35	32	47	All

Renovated Dimensioning W/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	28	28	28	29	30	30	28	26	23	27	110
110DT2	35	33	33	33	34	33	31			34	110
110DT3	41	37	35	37	37					38	110
120DT1	28	29	31	33	34	33	30	28	25	30	120
120DT2	35	35	37	40	38	36	35			37	120
120DT3	42	40	42	44						41	120
130DT1	25	26	28	30	29	30	28	28	24	28	130
130DT2	32	31	33	33	33	32				33	130
130DT3	37	36	38	37	34					36	130
140pDT1	25			25	24	24	25	28	24	25	140
140pDT2	33	33	33	30	28	27	28			30	140
140pDT3	37	37	36	36	32	31				36	140
300pDT1	35	35	35	36	34	35	33	30	31	32	300
300pDT2	44	42	40	40	38	38	35	33		38	300
300pDT3	47	45	44	43	39					44	300
400pDT1	41	39	39	39	38	35	35	34	32	35	400
400pDT2	47	45	44	42	41	37	38			42	400
400pDT3	51	49	47	46	42					47	400
All	37	37	37	38	35	33	31	29	27	34	All

ECONOMY

Basic invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	1,474	1,460	1,468	1,454	1,629	1,723	1,679	1,299	1,077	1,460	110
110DT2	1,824	1,744	1,702	1,724	1,962	2,031	1,911			1,784	110
110DT3	2,078	1,939	1,839	1,906	2,114					1,977	110
120DT1	1,504	1,455	1,422	1,505	1,825	1,911	1,730	1,238	1,005	1,605	120
120DT2	1,825	1,706	1,699	1,879	2,179	2,222	2,094			1,968	120
120DT3	2,090	1,864	1,861	2,054						1,954	120
130DT1	1,410	1,352	1,376	1,462	1,634	1,791	1,739	1,410	1,059	1,573	130
130DT2	1,672	1,631	1,654	1,947	2,091	2,123				1,929	130
130DT3	1,886	1,804	1,834	2,065	2,346					1,945	130
140pDT1	1,042			1,146	1,143	1,127	1,177	1,157	1,087	1,137	140
140pDT2	1,122	1,133	1,112	1,177	1,285	1,344	1,275			1,220	140
140pDT3	1,173	1,174	1,171	1,234	1,378	1,450				1,201	140
300pDT1	1,103	1,070	1,178	1,210	1,286	1,291	1,134	1,076	1,047	1,129	300
300pDT2	1,242	1,212	1,288	1,393	1,482	1,566	1,372	1,397		1,408	300
300pDT3	1,325	1,290	1,387	1,473	1,512					1,367	300
400pDT1	1,188	1,236	1,331	1,366	1,468	1,291	1,375	1,267	982	1,301	400
400pDT2	1,353	1,358	1,460	1,662	1,734	1,694	1,713			1,607	400
400pDT3	1,395	1,452	1,596	1,824	1,781					1,555	400
All	1,541	1,462	1,458	1,602	1,756	1,777	1,472	1,209	1,044	1,524	All

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	95	93	92	89	102	105	108	65	36	89	110
110DT2	141	133	128	126	139	133	127			135	110
110DT3	204	191	178	187	206					194	110
120DT1	98	89	84	88	109	117	108	52	30	92	120
120DT2	139	124	117	131	146	145	140			135	120
120DT3	209	187	182	201						192	120
130DT1	84	80	79	84	86	97	114	71	36	91	130
130DT2	118	115	110	130	125	123				122	130
130DT3	158	159	156	167	162					157	130
140pDT1	42			50	44	42	59	37	29	45	140
140pDT2	52	55	53	59	57	58	68			57	140
140pDT3	63	70	78	86	86	83				75	140
300pDT1	50	50	53	60	60	64	53	38	36	48	300
300pDT2	64	64	68	75	78	84	71	60		74	300
300pDT3	79	83	95	98	92					86	300
400pDT1	66	66	70	68	71	60	74	48	28	61	400
400pDT2	81	80	84	102	97	92	101			92	400
400pDT3	95	97	117	152	112					107	400
All	109	103	102	110	105	103	85	48	33	93	All

Energy DKK/(kWh/year)	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	3.51	3.48	3.49	3.41	3.28	3.23	3.57	3.38	2.29	3.40	110
110DT2	3.02	2.98	2.96	2.92	3.09	3.04	3.50			3.00	110
110DT3	1.96	1.95	2.02	2.00	2.40					1.97	110
120DT1	3.40	3.18	2.98	3.04	3.10	3.28	3.61	2.72	2.08	3.20	120
120DT2	3.09	2.87	2.84	2.92	3.09	3.31	3.69			3.03	120
120DT3	2.14	2.13	2.15	2.33						2.20	120
130DT1	2.98	2.96	2.97	2.72	2.63	2.54	3.78	3.70	2.41	3.39	130
130DT2	2.84	2.86	2.79	3.05	2.69	2.82				2.85	130
130DT3	2.25	2.22	2.52	2.36	2.80					2.42	130
140pDT1	1.68			1.72	1.55	1.53	2.22	1.82	1.67	1.85	140
140pDT2	1.80	1.83	1.85	1.82	1.68	1.69	2.45			1.78	140
140pDT3	1.62	1.62	1.78	1.98	1.80	1.66				1.73	140
300pDT1	2.14	2.37	2.20	1.85	2.19	2.39	2.16	2.24	2.57	2.25	300
300pDT2	2.17	2.16	1.99	2.07	2.16	2.38	2.45	2.90		2.23	300
300pDT3	1.75	1.72	1.62	1.73	1.63					1.71	300
400pDT1	2.47	2.37	2.21	2.31	2.21	2.10	2.71	2.20	1.47	2.31	400
400pDT2	2.63	2.37	2.24	2.53	2.37	2.51	2.79			2.44	400
400pDT3	1.89	1.88	1.83	2.07	2.12					1.95	400
All	2.41	2.24	2.21	2.40	2.59	2.82	3.00	2.54	2.14	2.49	All

Annualised Energy DKK/kWh	Interest 4.0 % p.a.										pS Total	
	p1	p2	p3	p4	p5	p6	p7	p8	p9			
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016			
110DT1	0.18	0.18	0.18	0.18	0.17	0.17	0.18	0.18	0.12	0.18	110	
110DT2	0.15	0.15	0.15	0.15	0.16	0.15	0.18			0.15	110	
110DT3	0.09	0.09	0.10	0.10	0.12					0.10	110	
120DT1	0.17	0.16	0.15	0.16	0.16	0.17	0.19	0.15	0.12	0.17	120	
120DT2	0.15	0.14	0.14	0.15	0.16	0.17	0.19			0.15	120	
120DT3	0.10	0.10	0.10	0.11						0.11	120	
130DT1	0.15	0.15	0.15	0.14	0.14	0.13	0.19	0.19	0.13	0.18	130	
130DT2	0.14	0.14	0.14	0.15	0.14	0.14				0.14	130	
130DT3	0.11	0.11	0.12	0.12	0.14					0.12	130	
140pDT1	0.09			0.09	0.08	0.08	0.12	0.10	0.09	0.10	140	
140pDT2	0.09	0.09	0.10	0.09	0.09	0.09	0.13			0.09	140	
140pDT3	0.08	0.08	0.09	0.10	0.09	0.08				0.09	140	
300pDT1	0.11	0.12	0.11	0.09	0.11	0.12	0.11	0.12	0.14	0.12	300	
300pDT2	0.11	0.11	0.10	0.10	0.11	0.12	0.12	0.15		0.11	300	
300pDT3	0.09	0.09	0.08	0.08	0.08					0.08	300	
400pDT1	0.13	0.12	0.11	0.12	0.11	0.11	0.14	0.12	0.08	0.12	400	
400pDT2	0.13	0.12	0.11	0.13	0.12	0.13	0.14			0.12	400	
400pDT3	0.09	0.09	0.09	0.10	0.11					0.10	400	
All	0.12	0.11	0.11	0.12	0.13	0.14	0.15	0.14	0.12	0.13	All	

Investments per building category

	Basis DKK million	Energy DKK million	Basis Annual investment	Energy DKK million/year	Energy NPV factor	Energy Lifetime
110	37,767	2,919	2,009	146	20.0	41
120	292,743	19,880	15,657	1,003	19.8	40
130	62,826	3,879	3,381	198	19.6	39
140p	109,808	5,685	6,087	291	19.5	38
300p	105,581	5,198	5,727	265	19.6	39
400p	55,966	3,070	3,018	156	19.7	39
All	664,691	40,631	35,878	2,059	19.7	39

Energy cost DKK/m ² per year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	4.88	4.80	4.75	4.60	5.20	5.42	5.54	3.42	1.97	4.58	110
110DT2	7.07	6.69	6.43	6.35	6.98	6.77	6.46			6.77	110
110DT3	9.89	9.28	8.68	9.10	10.03					9.42	110
120DT1	5.03	4.61	4.33	4.51	5.59	6.01	5.58	2.76	1.66	4.77	120
120DT2	6.95	6.24	5.90	6.58	7.35	7.34	7.10			6.82	120
120DT3	10.07	9.05	8.81	9.72						9.32	120
130DT1	4.36	4.15	4.06	4.29	4.41	5.03	5.83	3.71	1.96	4.72	130
130DT2	5.92	5.79	5.53	6.55	6.29	6.24				6.15	130
130DT3	7.73	7.75	7.61	8.22	8.02					7.70	130
140pDT1	2.22			2.61	2.32	2.24	3.10	2.00	1.65	2.39	140
140pDT2	2.69	2.83	2.77	3.04	2.96	3.04	3.50			2.94	140
140pDT3	3.20	3.55	3.90	4.25	4.29	4.19				3.77	140
300pDT1	2.63	2.57	2.76	3.05	3.07	3.26	2.76	2.06	1.93	2.51	300
300pDT2	3.26	3.25	3.43	3.78	3.90	4.23	3.61	3.09		3.72	300
300pDT3	3.95	4.13	4.66	4.79	4.55					4.25	300
400pDT1	3.39	3.36	3.55	3.46	3.63	3.10	3.83	2.57	1.52	3.17	400
400pDT2	4.10	4.03	4.21	5.09	4.88	4.63	5.10			4.64	400
400pDT3	4.71	4.81	5.74	7.34	5.57					5.30	400
All	5.46	5.16	5.11	5.49	5.32	5.27	4.39	2.57	1.80	4.72	All

Lifetime Year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	38	38	38	38	38	38	38	36	33	37	110
110DT2	41	40	40	40	40	39	39			40	110
110DT3	44	44	43	43	44					44	110
120DT1	38	38	38	38	38	38	38	35	32	37	120
120DT2	40	40	40	40	40	39	39			40	120
120DT3	44	44	44	44						44	120
130DT1	37	38	38	39	38	37	38	36	33	37	130
130DT2	40	40	40	40	40	39				40	130
130DT3	43	43	43	42	41					42	130
140pDT1	35			36	35	35	37	33	32	35	140
140pDT2	37	37	37	38	37	37	37			37	140
140pDT3	39	40	41	42	41	40				41	140
300pDT1	36	37	37	39	38	38	37	34	35	36	300
300pDT2	39	39	39	40	40	40	39	38		40	300
300pDT3	41	42	43	42	42					42	300
400pDT1	38	38	39	38	38	38	37	35	32	36	400
400pDT2	39	40	40	40	40	39	39			40	400
400pDT3	41	41	43	44	41					42	400
All	40	40	41	40	39	38	38	35	33	39	All

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	135.9	129.1	124.0	128.0	122.9	116.0	106.9	91.0	75.7	126.3
120	131.2	132.3	136.0	142.7	133.5	125.5	114.7	95.6	79.3	126.4
130	117.5	119.3	119.6	120.2	116.6	115.5	110.1	95.3	79.6	109.0
140	109.5	114.0	113.5	105.5	93.8	91.6	97.4	97.0	78.7	103.5
300	128.9	125.3	126.6	122.2	114.6	115.1	107.6	89.1	87.1	109.5
400	137.4	131.6	132.0	127.9	119.9	108.8	111.9	98.4	88.2	118.0
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	79.3	74.6	72.1	73.3	78.7	78.0	75.8	70.5	60.0	75.4
120	81.5	79.7	84.0	90.5	89.2	86.6	84.1	76.4	64.9	84.0
130	70.2	69.2	72.6	72.0	74.1	75.0	79.9	76.1	64.7	74.9
140	74.6	74.6	72.9	67.3	58.0	58.2	70.4	76.9	61.0	68.7
300	92.2	87.8	83.3	80.0	78.6	82.6	81.8	71.7	72.6	80.2
400	99.2	91.6	87.4	84.5	80.6	76.0	83.5	76.4	69.4	83.0
All	82.1	79.0	79.1	80.3	79.6	80.3	80.6	74.8	67.2	78.7

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	56.6	54.5	51.8	54.7	44.2	38.0	31.1	20.5	15.8	50.9
120	49.7	52.5	51.9	52.3	44.3	38.9	30.6	19.2	14.5	42.4
130	47.2	50.1	47.0	48.2	42.5	40.5	30.2	19.2	14.9	34.1
140	34.9	39.4	40.5	38.2	35.8	33.4	27.0	20.1	17.6	34.9
300	36.7	37.5	43.2	42.2	35.9	32.4	25.8	17.4	14.5	29.2
400	38.2	40.1	44.6	43.4	39.2	32.7	28.4	22.1	18.9	35.0
All	45.3	46.1	46.4	45.9	40.6	36.6	28.4	19.0	15.4	37.3

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	41.7	42.2	41.8	42.7	35.9	32.8	29.1	22.5	20.8	40.3
120	39.7	39.7	38.2	36.6	33.2	31.0	26.7	20.0	18.2	33.5
130	40.2	42.0	39.3	40.1	36.4	35.0	27.4	20.2	18.7	31.3
140	31.9	34.5	35.7	36.2	38.1	36.5	27.7	20.7	22.4	33.7
300	28.4	29.9	34.2	34.5	31.4	28.2	24.0	19.6	16.6	26.7
400	27.8	30.4	33.8	33.9	32.7	30.1	25.4	22.4	21.4	29.7
All	35.5	36.9	37.0	36.3	33.8	31.3	26.1	20.3	18.7	32.2

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	6,544	8,643	2,376	749	858	628	968	464	733	21,964
120	10,467	25,948	16,846	12,018	40,852	22,254	17,965	7,508	8,351	162,208
130	1,529	2,434	1,790	2,218	4,910	3,763	12,962	4,135	3,391	37,130
140	6,276	21,491	15,533	8,529	16,585	5,348	9,157	4,540	4,852	92,312
300	4,671	8,809	4,225	3,878	14,721	7,630	20,230	9,771	10,465	84,399
400	2,564	4,566	2,683	3,545	8,952	4,436	6,597	2,562	2,359	38,264
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277

Gross area %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	29.8	39.3	10.8	3.4	3.9	2.9	4.4	2.1	3.3	5.0
120	6.5	16.0	10.4	7.4	25.2	13.7	11.1	4.6	5.1	37.2
130	4.1	6.6	4.8	6.0	13.2	10.1	34.9	11.1	9.1	8.5
140	6.8	23.3	16.8	9.2	18.0	5.8	9.9	4.9	5.3	21.2
300	5.5	10.4	5.0	4.6	17.4	9.0	24.0	11.6	12.4	19.3
400	6.7	11.9	7.0	9.3	23.4	11.6	17.2	6.7	6.2	8.8
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0

ECONOMY

Basic invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	11,712	14,907	4,015	1,299	1,616	1,171	1,647	609	790	37,767
120	18,511	44,109	28,835	22,521	84,309	45,200	31,523	9,314	8,423	292,743
130	2,557	4,018	3,044	4,262	9,578	7,319	22,632	5,835	3,582	62,826
140	7,214	24,895	17,942	10,285	21,192	6,828	10,925	5,262	5,266	109,808
300	5,914	10,842	5,541	5,390	20,994	11,136	23,910	10,753	11,101	105,581
400	3,470	6,308	3,972	5,813	14,876	6,631	9,309	3,264	2,323	55,966
All	49,379	105,079	63,349	49,569	152,565	78,285	99,944	35,037	31,485	664,691

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	947	1,199	318	103	115	74	106	31	26	2,919
120	1,451	3,490	2,212	1,700	5,550	2,849	1,985	391	253	19,880
130	186	307	224	297	560	410	1,479	293	122	3,879
140	365	1,407	1,123	623	1,007	293	557	167	143	5,685
300	327	629	326	310	1,089	585	1,153	392	386	5,198
400	218	388	246	368	811	338	509	125	66	3,070
All	3,496	7,419	4,450	3,401	9,132	4,550	5,788	1,398	996	40,631

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	145	139	134	137	134	119	109	67	36	133
120	139	134	131	141	136	128	110	52	30	123
130	122	126	125	134	114	109	114	71	36	104
140	58	65	72	73	61	55	61	37	29	62
300	70	71	77	80	74	77	57	40	37	62
400	85	85	92	104	91	76	77	49	28	80
All	109	103	102	110	105	103	85	48	33	93

Energy DKK/kWh	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	4.02	3.75	3.62	3.52	3.52	3.12	2.95	1.96	1.03	3.68
120	3.55	3.45	3.37	3.54	3.40	3.20	2.83	1.37	#VALUE!	3.10
130	2.97	3.00	2.91	3.19	2.72	#VALUE!	#VALUE!	#VALUE!	#VALUE!	2.51
140	1.53	1.72	1.85	1.92	1.60	1.44	1.64	1.05	0.92	1.69
300	1.79	1.79	1.93	2.00	1.85	1.96	1.46	#VALUE!	#VALUE!	1.55
400	2.08	2.07	2.13	2.36	2.21	#VALUE!	#VALUE!	#VALUE!	#VALUE!	1.93
All	2.74	2.57	2.53	2.72	2.69	2.70	2.26	1.39	0.99	2.42

Annualised Energy cost DKK million/year	Interest	4.0 % p.a.								
	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	47.1	59.7	15.9	5.1	5.8	3.8	5.4	1.6	1.4	146
120	72.3	173.7	110.1	84.6	280.2	145.3	102.2	20.8	14.0	1,003
130	9.3	15.3	11.1	14.9	28.4	21.0	75.9	15.4	6.6	198
140	18.8	71.4	56.4	31.3	51.9	15.3	29.0	9.1	8.0	291
300	16.5	31.6	16.3	15.5	54.9	29.5	59.5	20.9	20.6	265
400	11.0	19.5	12.3	18.3	41.0	17.2	26.2	6.7	3.6	156
All	175	371	222	170	462	232	298	75	54	2,059

Energy cost DKK/m ² per year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	7.19	6.91	6.68	6.85	6.73	6.06	5.62	3.49	1.97	6.64
120	6.91	6.69	6.54	7.04	6.86	6.53	5.69	2.77	1.68	6.18
130	6.10	6.27	6.21	6.70	5.78	5.59	5.86	3.72	1.95	5.33
140	2.99	3.32	3.63	3.67	3.13	2.86	3.17	2.00	1.64	3.15
300	3.53	3.58	3.85	3.99	3.73	3.87	2.94	2.14	1.97	3.14
400	4.28	4.26	4.57	5.17	4.58	3.88	3.97	2.61	1.54	4.07
All	5.46	5.16	5.11	5.49	5.32	5.27	4.39	2.57	1.80	4.72

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.13	0.13	0.13	0.13	0.15	0.16	0.18	0.17	0.12	0.13
120	0.14	0.13	0.13	0.13	0.15	0.17	0.19	0.14	0.12	0.15
130	0.13	0.13	0.13	0.14	0.14	0.14	0.19	0.19	0.13	0.16
140	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.10	0.09	0.09
300	0.10	0.10	0.09	0.09	0.10	0.12	0.11	0.12	0.14	0.11
400	0.11	0.11	0.10	0.12	0.12	0.12	0.14	0.12	0.08	0.12
All	0.12	0.11	0.11	0.12	0.13	0.14	0.15	0.14	0.12	0.13

Lifetime year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	41	41	41	41	40	39	38	36	33	41
120	41	41	41	41	40	39	38	35	32	40
130	41	41	41	41	39	38	38	36	33	39
140	38	39	40	40	38	37	37	33	32	38
300	40	40	41	41	40	40	38	35	35	39
400	40	40	41	41	40	39	38	35	32	39
All	40	41	41	41	39	39	38	35	33	39

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.203	0.232	0.053	0.013	0.026	0.039	0.095	0.041	0.056	0.758
110DT2	0.367	0.502	0.146	0.050	0.070	0.033	0.008	0.001	0.000	1.177
110DT3	0.320	0.381	0.095	0.033	0.009	0.000	0.001	0.000	0.000	0.840
120DT1	0.387	0.568	0.236	0.174	1.808	1.729	1.919	0.713	0.658	8.193
120DT2	0.626	1.722	1.292	1.090	3.433	1.055	0.139	0.004	0.004	9.365
120DT3	0.361	1.141	0.763	0.451	0.214	0.009	0.003	0.000	0.000	2.941
130DT1	0.039	0.042	0.015	0.028	0.203	0.235	1.374	0.392	0.269	2.598
130DT2	0.075	0.121	0.112	0.168	0.316	0.190	0.049	0.002	0.000	1.033
130DT3	0.066	0.127	0.087	0.070	0.053	0.009	0.004	0.000	0.001	0.417
140pDT1	0.037	0.101	0.073	0.082	0.292	0.173	0.753	0.426	0.377	2.313
140pDT2	0.202	0.538	0.333	0.289	0.895	0.272	0.134	0.014	0.004	2.681
140pDT3	0.449	1.809	1.357	0.529	0.369	0.045	0.004	0.000	0.001	4.564
300pDT1	0.068	0.126	0.092	0.076	0.519	0.346	1.781	0.809	0.861	4.678
300pDT2	0.213	0.414	0.178	0.235	0.940	0.488	0.367	0.057	0.027	2.918
300pDT3	0.321	0.563	0.264	0.163	0.228	0.044	0.029	0.004	0.023	1.641
400pDT1	0.033	0.066	0.059	0.071	0.322	0.247	0.662	0.243	0.206	1.909
400pDT2	0.170	0.282	0.175	0.301	0.674	0.214	0.072	0.009	0.002	1.900
400pDT3	0.149	0.253	0.120	0.081	0.078	0.021	0.004	0.000	0.000	0.707
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.151	0.174	0.040	0.010	0.019	0.028	0.068	0.032	0.044	0.566
110DT2	0.234	0.317	0.093	0.032	0.044	0.021	0.005	0.000	0.000	0.746
110DT3	0.134	0.153	0.039	0.013	0.004	0.000	0.000	0.000	0.000	0.344
120DT1	0.285	0.425	0.179	0.133	1.318	1.241	1.416	0.571	0.539	6.108
120DT2	0.405	1.129	0.878	0.737	2.226	0.682	0.094	0.003	0.003	6.158
120DT3	0.162	0.515	0.358	0.217	0.099	0.004	0.001	0.000	0.000	1.357
130DT1	0.028	0.031	0.012	0.020	0.145	0.161	1.000	0.313	0.219	1.928
130DT2	0.048	0.078	0.074	0.107	0.194	0.117	0.033	0.001	0.000	0.652
130DT3	0.032	0.060	0.045	0.032	0.025	0.005	0.002	0.000	0.000	0.201
140pDT1	0.027	0.076	0.052	0.058	0.203	0.121	0.550	0.338	0.293	1.718
140pDT2	0.147	0.389	0.241	0.195	0.562	0.167	0.093	0.011	0.003	1.807
140pDT3	0.294	1.138	0.838	0.322	0.197	0.023	0.002	0.000	0.001	2.815
300pDT1	0.054	0.102	0.073	0.056	0.396	0.267	1.379	0.655	0.724	3.707
300pDT2	0.162	0.311	0.127	0.162	0.638	0.335	0.259	0.042	0.019	2.055
300pDT3	0.215	0.360	0.152	0.092	0.124	0.028	0.017	0.003	0.017	1.007
400pDT1	0.026	0.051	0.044	0.055	0.240	0.185	0.501	0.190	0.163	1.455
400pDT2	0.130	0.206	0.123	0.203	0.440	0.139	0.048	0.006	0.001	1.296
400pDT3	0.098	0.160	0.067	0.042	0.042	0.013	0.002	0.000	0.000	0.425
All	2.632	5.677	3.436	2.486	6.917	3.538	5.470	2.166	2.025	34.346

Saving TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.052	0.059	0.013	0.003	0.007	0.011	0.027	0.009	0.012	0.192
110DT2	0.133	0.184	0.053	0.018	0.025	0.013	0.003	0.001	0.000	0.431
110DT3	0.185	0.228	0.057	0.020	0.005	0.000	0.001	0.000	0.000	0.496
120DT1	0.101	0.143	0.057	0.041	0.490	0.488	0.503	0.142	0.119	2.085
120DT2	0.220	0.593	0.414	0.353	1.207	0.373	0.045	0.002	0.002	3.207
120DT3	0.198	0.627	0.404	0.234	0.114	0.005	0.001	0.000	0.000	1.584
130DT1	0.011	0.011	0.004	0.008	0.058	0.075	0.374	0.079	0.050	0.670
130DT2	0.027	0.043	0.038	0.061	0.122	0.073	0.016	0.001	0.000	0.382
130DT3	0.034	0.067	0.042	0.038	0.029	0.004	0.001	0.000	0.000	0.216
140pDT1	0.010	0.025	0.020	0.024	0.089	0.052	0.204	0.088	0.084	0.595
140pDT2	0.055	0.150	0.091	0.095	0.332	0.105	0.042	0.003	0.001	0.873
140pDT3	0.155	0.671	0.519	0.207	0.172	0.023	0.002	0.000	0.000	1.749
300pDT1	0.014	0.024	0.020	0.020	0.123	0.079	0.401	0.153	0.137	0.971
300pDT2	0.050	0.103	0.052	0.073	0.302	0.152	0.108	0.015	0.009	0.863
300pDT3	0.107	0.204	0.112	0.071	0.105	0.016	0.013	0.002	0.006	0.634
400pDT1	0.007	0.014	0.014	0.016	0.082	0.062	0.161	0.054	0.044	0.453
400pDT2	0.040	0.076	0.052	0.098	0.234	0.075	0.025	0.003	0.001	0.604
400pDT3	0.051	0.093	0.053	0.039	0.036	0.008	0.002	0.000	0.000	0.282
All	1.451	3.315	2.014	1.419	3.531	1.613	1.928	0.551	0.465	16.287

Basic invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	2,830.5	3,190.4	732.0	174.1	371.5	586.3	1,485.3	584.9	789.9	10,745.0
110DT2	5,193.3	7,196.1	2,102.4	718.5	1,112.4	580.1	148.0	24.5	0.0	17,075.3
110DT3	3,688.7	4,520.5	1,180.7	406.1	132.5	4.6	13.3	0.0	0.0	9,946.4
120DT1	5,301.7	7,399.3	2,883.3	2,162.3	25,398.9	26,150.4	28,989.6	9,239.7	8,345.7	115,870.8
120DT2	8,953.4	23,413.5	17,042.8	14,786.0	55,699.3	18,895.5	2,492.3	70.6	61.6	141,415.1
120DT3	4,256.4	13,295.7	8,908.5	5,572.2	3,210.6	153.9	40.8	3.6	15.4	35,457.0
130DT1	547.9	556.6	197.4	358.4	2,907.5	3,499.4	21,669.9	5,800.6	3,564.1	39,101.9
130DT2	1,100.8	1,758.4	1,588.3	2,799.0	5,511.5	3,561.8	886.8	28.7	0.4	17,235.6
130DT3	908.4	1,703.0	1,258.0	1,104.7	1,159.3	257.6	75.1	5.4	17.1	6,488.4
140pDT1	400.1	1,042.8	667.6	961.8	3,616.0	2,107.3	8,961.6	5,046.1	5,181.5	27,984.7
140pDT2	2,136.3	5,680.4	3,508.7	3,427.4	12,609.9	4,066.7	1,915.0	214.2	72.4	33,631.1
140pDT3	4,677.3	18,171.8	13,765.7	5,895.7	4,966.0	654.3	48.0	1.3	12.0	48,192.1
300pDT1	664.9	1,223.5	952.7	743.6	5,772.3	3,811.0	18,455.9	9,641.6	10,222.7	51,488.2
300pDT2	2,127.0	4,203.3	1,952.1	2,792.9	12,413.9	6,742.7	5,112.4	1,021.1	434.2	36,799.8
300pDT3	3,122.6	5,415.0	2,636.4	1,853.3	2,807.6	582.0	341.5	90.2	444.5	17,293.2
400pDT1	299.6	636.7	602.5	768.5	3,746.6	2,791.8	8,086.5	3,103.5	2,289.5	22,325.1
400pDT2	1,751.8	3,044.9	2,045.8	4,069.5	9,931.8	3,478.0	1,172.9	159.1	32.8	25,686.4
400pDT3	1,418.6	2,626.7	1,323.6	974.9	1,197.6	361.5	49.3	1.7	0.9	7,954.9
All	49,379.2	105,078.7	63,348.6	49,569.0	152,565.0	78,285.3	99,944.1	35,036.7	31,484.6	664,691.2

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	182.3	204.0	46.0	10.7	23.2	35.9	95.1	29.3	26.5	652.9
110DT2	402.9	549.9	157.9	52.5	78.6	38.1	9.8	1.6	0.0	1,291.3
110DT3	362.2	444.9	114.0	39.8	12.9	0.5	0.9	0.0	0.0	975.2
120DT1	345.3	455.0	170.2	125.8	1,518.4	1,603.0	1,814.8	386.4	248.4	6,667.4
120DT2	681.3	1,702.3	1,172.7	1,029.9	3,731.2	1,233.4	166.5	3.9	3.6	9,724.7
120DT3	424.6	1,332.5	869.6	544.0	300.0	12.7	3.5	0.4	1.0	3,488.2
130DT1	32.7	33.1	11.3	20.7	152.3	190.0	1,414.7	291.2	121.0	2,267.1
130DT2	77.7	123.9	105.9	187.6	328.3	205.9	58.6	1.4	0.0	1,089.3
130DT3	76.0	149.7	106.7	89.2	79.9	14.5	5.2	0.4	0.6	522.2
140pDT1	16.1	43.8	34.0	41.6	137.8	79.0	451.6	159.3	140.3	1,103.6
140pDT2	98.4	273.3	168.3	172.1	558.7	176.7	101.8	7.3	2.3	1,558.8
140pDT3	250.9	1,089.7	920.6	409.5	310.2	37.6	3.5	0.1	0.2	3,022.3
300pDT1	30.3	56.8	43.0	36.7	269.0	188.6	866.3	344.4	352.7	2,187.8
300pDT2	109.6	222.1	102.7	150.5	649.9	362.7	264.8	43.9	18.3	1,924.3
300pDT3	187.1	350.3	180.7	122.7	170.6	33.4	21.9	3.6	15.5	1,085.8
400pDT1	16.7	33.8	31.6	38.1	180.7	130.1	436.1	117.7	64.3	1,049.1
400pDT2	105.1	179.3	117.3	249.1	555.1	188.0	68.9	7.2	1.5	1,471.6
400pDT3	96.6	175.0	97.1	81.1	75.5	19.8	3.8	0.1	0.0	549.0
All	3,495.8	7,419.4	4,449.5	3,401.5	9,132.1	4,550.0	5,787.9	1,398.1	996.2	40,630.5

Energy cost DKK million/year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	9.4	10.5	2.4	0.6	1.2	1.8	4.9	1.5	1.4	33.7
110DT2	20.1	27.6	7.9	2.6	4.0	1.9	0.5	0.1	0.0	64.8
110DT3	17.6	21.6	5.6	1.9	0.6	0.0	0.0	0.0	0.0	47.4
120DT1	17.7	23.4	8.8	6.5	77.8	82.2	93.5	20.6	13.8	344.3
120DT2	34.1	85.6	59.1	51.8	187.9	62.4	8.5	0.2	0.2	489.8
120DT3	20.5	64.6	42.2	26.4	14.5	0.6	0.2	0.0	0.1	169.1
130DT1	1.7	1.7	0.6	1.1	7.8	9.8	72.7	15.3	6.6	117.2
130DT2	3.9	6.2	5.3	9.4	16.6	10.5	3.0	0.1	0.0	55.0
130DT3	3.7	7.3	5.2	4.4	4.0	0.7	0.3	0.0	0.0	25.7
140pDT1	0.9	2.3	1.8	2.2	7.3	4.2	23.6	8.7	7.8	58.8
140pDT2	5.1	14.2	8.8	8.9	29.1	9.2	5.3	0.4	0.1	81.0
140pDT3	12.8	54.9	45.9	20.3	15.5	1.9	0.2	0.0	0.0	151.3
300pDT1	1.6	2.9	2.2	1.9	13.8	9.6	45.0	18.5	18.9	114.3
300pDT2	5.6	11.3	5.2	7.6	32.7	18.2	13.5	2.3	0.9	97.2
300pDT3	9.3	17.3	8.9	6.0	8.4	1.7	1.1	0.2	0.8	53.8
400pDT1	0.9	1.7	1.6	1.9	9.3	6.7	22.5	6.3	3.6	54.5
400pDT2	5.3	9.0	5.9	12.5	28.0	9.5	3.5	0.4	0.1	74.1
400pDT3	4.8	8.7	4.8	3.9	3.7	1.0	0.2	0.0	0.0	27.1
All	174.9	371.1	222.0	169.8	462.2	232.1	298.2	74.5	54.3	2,059.1

Interest	4.0	% p.a.
NPV factor	Lifetime	
0.96	1.0	
1.89	2.0	
2.78	3.0	
3.63	4.0	
4.45	5.0	
5.24	6.0	
6.00	7.0	
6.73	8.0	
7.44	9.0	
8.11	10.0	
8.76	11.0	
9.39	12.0	
9.99	13.0	
10.56	14.0	
11.12	15.0	
11.65	16.0	
12.17	17.0	
12.66	18.0	
13.13	19.0	
13.59	20.0	
14.03	21.0	
14.45	22.0	
14.86	23.0	
15.25	24.0	
15.62	25.0	
15.98	26.0	
16.33	27.0	
16.66	28.0	
16.98	29.0	
17.29	30.0	
17.59	31.0	
17.87	32.0	
18.15	33.0	
18.41	34.0	
18.66	35.0	
18.91	36.0	
19.14	37.0	
19.37	38.0	
19.58	39.0	
19.79	40.0	
19.99	41.0	
20.19	42.0	
20.37	43.0	
20.55	44.0	
20.72	45.0	
20.88	46.0	
21.04	47.0	
21.20	48.0	
21.34	49.0	
21.48	50.0	
21.62	51.0	
21.75	52.0	
21.87	53.0	
21.99	54.0	
22.11	55.0	
22.22	56.0	
22.33	57.0	
22.43	58.0	
22.53	59.0	
22.62	60.0	

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016
110DT1	19.47	19.45	19.41	19.37	19.54	19.46	19.41	19.05	18.31
110DT2	20.00	19.93	19.88	19.84	19.85	19.69	19.63		
110DT3	20.63	20.56	20.47	20.53	20.58				
120DT1	19.48	19.42	19.40	19.42	19.51	19.50	19.40	18.75	18.06
120DT2	19.98	19.88	19.83	19.89	19.86	19.76	19.70		
120DT3	20.70	20.63	20.61	20.63					
130DT1	19.35	19.39	19.40	19.68	19.41	19.35	19.47	19.06	18.36
130DT2	19.91	19.85	19.94	19.92	19.79	19.67			
130DT3	20.41	20.45	20.44	20.29	20.15				
140pDT1	18.82			18.97	18.82	18.84	19.15	18.30	17.89
140pDT2	19.20	19.26	19.23	19.42	19.20	19.18	19.36		
140pDT3	19.65	19.86	20.08	20.19	20.07	19.91			
300pDT1	19.10	19.31	19.30	19.63	19.53	19.57	19.27	18.65	18.71
300pDT2	19.64	19.68	19.77	19.86	19.88	19.90	19.66	19.43	
300pDT3	20.09	20.19	20.40	20.35	20.21				
400pDT1	19.58	19.53	19.67	19.53	19.50	19.42	19.36	18.67	18.10
400pDT2	19.79	19.82	19.91	19.99	19.85	19.77	19.75		
400pDT3	20.16	20.13	20.39	20.66	20.15				

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.889	1.115	0.295	0.096	0.105	0.073	0.103	0.042	0.056	2.774
120	1.373	3.432	2.290	1.715	5.454	2.793	2.060	0.718	0.663	20.499
130	0.180	0.290	0.214	0.267	0.573	0.435	1.427	0.394	0.270	4.048
140	0.687	2.449	1.762	0.900	1.556	0.490	0.892	0.440	0.382	9.558
300	0.602	1.104	0.535	0.474	1.686	0.878	2.177	0.870	0.912	9.238
400	0.352	0.601	0.354	0.454	1.073	0.482	0.738	0.252	0.208	4.515
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.519	0.644	0.171	0.055	0.068	0.049	0.073	0.033	0.044	1.656
120	0.853	2.069	1.415	1.087	3.643	1.927	1.511	0.574	0.542	13.622
130	0.107	0.168	0.130	0.160	0.364	0.282	1.035	0.315	0.219	2.781
140	0.468	1.603	1.132	0.574	0.962	0.311	0.644	0.349	0.296	6.341
300	0.431	0.774	0.352	0.310	1.158	0.631	1.654	0.700	0.760	6.770
400	0.254	0.418	0.235	0.300	0.722	0.337	0.551	0.196	0.164	3.176
All	2.632	5.677	3.436	2.486	6.917	3.538	5.470	2.166	2.025	34.346

Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.370	0.471	0.123	0.041	0.038	0.024	0.030	0.010	0.012	1.119
120	0.520	1.363	0.875	0.628	1.811	0.865	0.549	0.144	0.121	6.877
130	0.072	0.122	0.084	0.107	0.209	0.152	0.391	0.079	0.050	1.267
140	0.219	0.846	0.630	0.326	0.593	0.179	0.247	0.091	0.085	3.217
300	0.171	0.330	0.183	0.164	0.529	0.248	0.522	0.170	0.152	2.469
400	0.098	0.183	0.120	0.154	0.351	0.145	0.187	0.057	0.045	1.339
All	1.451	3.315	2.014	1.419	3.531	1.613	1.928	0.551	0.465	16.287

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	20.13	20.07	20.01	20.05	19.87	19.58	19.44	19.07	18.31	20.01
120	20.06	20.10	20.09	20.08	19.80	19.61	19.43	18.76	18.08	19.82
130	20.01	20.09	20.14	20.01	19.74	19.52	19.48	19.06	18.36	19.60
140	19.49	19.71	19.93	19.89	19.40	19.18	19.20	18.31	17.90	19.53
300	19.84	19.93	20.05	20.02	19.84	19.80	19.38	18.74	18.73	19.59
400	19.93	19.94	20.06	20.09	19.80	19.63	19.42	18.71	18.12	19.71
All	19.99	19.99	20.04	20.04	19.76	19.60	19.41	18.76	18.35	19.73

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	105.5	106.3	106.9	107.8	115.6	115.2	106.9	91.0	75.7	102.9	110
110DT2	128.8	121.6	118.3	119.4	123.1	116.6	104.3			123.0	110
110DT3	180.0	163.6	148.1	156.2	147.7					166.9	110
120DT1	109.7	111.7	116.4	121.4	129.9	126.4	114.5	95.5	79.2	113.5	120
120DT2	127.6	125.5	128.8	138.6	134.3	124.1	116.7			130.3	120
120DT3	177.2	160.0	159.3	166.1						162.1	120
130DT1	99.8	101.4	107.3	114.2	114.2	120.4	110.3	95.3	80.0	104.5	130
130DT2	114.3	112.5	116.2	117.2	120.0	113.1				115.7	130
130DT3	136.0	134.8	126.9	130.9	107.7					125.0	130
140pDT1	95.3			97.5	92.2	92.4	98.9	97.7	79.1	94.0	140
140pDT2	106.0	107.3	105.4	99.4	91.1	89.8	89.4			97.2	140
140pDT3	112.6	116.9	115.4	110.7	102.5	100.2				113.8	140
300pDT1	113.4	110.6	114.3	123.5	115.6	117.2	109.4	90.2	88.2	102.6	300
300pDT2	124.1	119.4	117.7	117.0	112.2	113.3	98.5	78.4		111.6	300
300pDT3	136.3	134.2	138.9	129.8	122.9					129.8	300
400pDT1	131.3	127.4	129.6	126.6	126.1	114.2	112.5	99.3	88.5	111.2	400
400pDT2	131.2	125.8	125.2	122.9	117.7	104.4	105.9			118.8	400
400pDT3	146.6	140.1	145.0	152.3	115.3					138.2	400
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1	All

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	75.3	76.4	77.4	78.7	81.3	79.1	73.1	69.8	59.3	74.0	110
110DT2	78.0	73.2	71.5	72.7	74.1	68.5	64.1			74.2	110
110DT3	71.7	61.9	56.5	59.2	57.8					64.5	110
120DT1	77.6	80.7	85.7	89.9	91.2	86.8	80.9	75.2	64.5	81.7	120
120DT2	78.7	78.8	84.4	90.1	82.8	75.9	74.4			81.8	120
120DT3	75.8	68.7	71.6	76.2						71.3	120
130DT1	68.8	71.7	78.4	80.8	79.0	79.0	76.4	74.1	64.3	74.6	130
130DT2	69.5	69.2	73.9	70.9	69.9	66.0				69.5	130
130DT3	62.7	60.3	62.2	56.7	46.1					57.0	130
140pDT1	69.3			67.5	63.1	63.9	70.4	77.0	61.1	68.7	140
140pDT2	76.2	76.2	75.3	65.6	56.1	53.8	59.8			64.3	140
140pDT3	72.4	72.2	70.0	66.0	53.3	48.7				68.8	140
300pDT1	88.4	88.3	88.4	89.4	86.0	87.9	82.8	72.0	73.1	79.7	300
300pDT2	93.0	88.1	81.8	78.7	73.5	74.7	66.9	55.8		76.2	300
300pDT3	89.3	83.8	78.2	71.1	63.9					77.6	300
400pDT1	102.6	97.9	96.0	95.3	91.8	83.6	82.6	76.2	69.3	82.9	400
400pDT2	98.1	90.0	85.6	80.0	73.8	64.6	66.4			78.3	400
400pDT3	94.1	86.3	78.4	75.7	59.4					80.5	400
All	79.3	76.5	76.8	77.7	76.5	77.0	77.7	73.5	66.5	76.2	All

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	30.2	29.9	29.5	29.1	34.2	36.1	33.8	21.1	16.4	28.9	110
110DT2	50.8	48.4	46.8	46.8	48.9	48.0	40.3			48.8	110
110DT3	108.3	101.7	91.6	97.0	89.9					102.4	110
120DT1	32.1	31.0	30.7	31.5	38.8	39.5	33.6	20.3	14.8	31.8	120
120DT2	48.8	46.6	44.4	48.4	51.5	48.2	42.3			48.5	120
120DT3	101.3	91.2	87.7	89.9						90.8	120
130DT1	31.1	29.7	28.9	33.4	35.2	41.4	33.9	21.2	15.6	29.9	130
130DT2	44.7	43.3	42.3	46.3	50.1	47.1				46.2	130
130DT3	73.4	74.5	64.7	74.2	61.6					68.0	130
140pDT1	26.0			30.0	29.1	28.5	28.5	20.8	18.0	25.2	140
140pDT2	29.8	31.1	30.1	33.8	35.1	36.0	29.6			33.0	140
140pDT3	40.2	44.7	45.5	44.6	49.2	51.6				44.9	140
300pDT1	25.0	22.3	25.8	34.0	29.6	29.3	26.6	18.3	15.1	22.9	300
300pDT2	31.1	31.3	35.8	38.3	38.6	38.6	31.5	22.7		35.4	300
300pDT3	47.1	50.4	60.7	58.7	59.0					52.2	300
400pDT1	28.7	29.6	33.6	31.3	34.3	30.6	29.9	23.1	19.2	28.3	400
400pDT2	33.1	35.8	39.6	43.0	43.8	39.8	39.5			40.5	400
400pDT3	52.5	53.7	66.5	76.6	55.9					57.7	400
All	48.1	48.6	48.7	48.5	43.7	39.9	31.3	20.3	16.1	39.9	All

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	28.6	28.1	27.6	27.0	29.6	31.4	31.6	23.2	21.7	28.1	110
110DT2	39.4	39.8	39.6	39.2	39.8	41.2	38.6			39.7	110
110DT3	60.2	62.1	61.9	62.1	60.8					61.4	110
120DT1	29.2	27.8	26.4	25.9	29.8	31.3	29.4	21.3	18.6	28.0	120
120DT2	38.3	37.2	34.5	35.0	38.3	38.9	36.3			37.2	120
120DT3	57.2	57.0	55.1	54.1						56.0	120
130DT1	31.1	29.3	26.9	29.2	30.8	34.4	30.8	22.3	19.5	28.6	130
130DT2	39.2	38.5	36.4	39.5	41.8	41.7				39.9	130
130DT3	53.9	55.3	51.0	56.7	57.2					54.4	130
140pDT1	27.2			30.8	31.5	30.8	28.9	21.3	22.7	26.9	140
140pDT2	28.1	29.0	28.6	34.0	38.5	40.1	33.1			33.9	140
140pDT3	35.7	38.2	39.4	40.3	48.0	51.4				39.5	140
300pDT1	22.0	20.2	22.6	27.6	25.6	25.0	24.3	20.2	17.1	22.3	300
300pDT2	25.1	26.2	30.4	32.7	34.4	34.1	32.0	28.9		31.7	300
300pDT3	34.5	37.5	43.7	45.2	48.0					40.2	300
400pDT1	21.9	23.2	25.9	24.7	27.2	26.8	26.6	23.2	21.7	25.5	400
400pDT2	25.3	28.5	31.6	34.9	37.3	38.1	37.3			34.1	400
400pDT3	35.8	38.4	45.9	50.3	48.5					41.8	400
All	37.7	38.8	38.8	38.4	36.4	34.2	28.7	21.6	19.5	34.4	All

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	1,921	2,186	499	120	228	340	885	450	733	7,362	110
110DT2	2,848	4,126	1,235	417	567	286	77	14	0	9,570	110
110DT3	1,775	2,331	642	213	63	2	6	0	0	5,032	110
120DT1	3,525	5,087	2,027	1,437	13,916	13,682	16,756	7,466	8,305	72,203	120
120DT2	4,906	13,726	10,030	7,869	25,556	8,505	1,190	40	38	71,861	120
120DT3	2,036	7,134	4,788	2,713	1,380	66	19	2	8	18,145	120
130DT1	388	412	143	245	1,780	1,954	12,459	4,115	3,366	24,862	130
130DT2	658	1,078	961	1,437	2,636	1,678	466	18	1	8,933	130
130DT3	482	944	686	535	494	131	37	3	24	3,336	130
140pDT1	384	1,002	619	839	3,163	1,870	7,617	4,361	4,766	24,621	140
140pDT2	1,903	5,015	3,157	2,913	9,816	3,026	1,502	178	61	27,571	140
140pDT3	3,988	15,474	11,757	4,777	3,605	451	39	2	25	40,119	140
300pDT1	603	1,143	808	614	4,489	2,952	16,271	8,963	9,762	45,607	300
300pDT2	1,712	3,468	1,516	2,005	8,376	4,305	3,726	731	304	26,143	300
300pDT3	2,356	4,197	1,901	1,258	1,856	372	233	77	398	12,649	300
400pDT1	252	515	453	562	2,552	2,162	5,883	2,450	2,332	17,161	400
400pDT2	1,294	2,243	1,401	2,448	5,727	2,053	684	111	26	15,988	400
400pDT3	1,017	1,808	829	535	673	220	30	2	1	5,114	400
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277	All

DT1,2,3 % of gross area	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	29.3	25.3	21.0	16.0	26.6	54.2	91.4	97.0	100.0	33.5	110
110DT2	43.5	47.7	52.0	55.6	66.1	45.5	8.0	3.0	0.0	43.6	110
110DT3	27.1	27.0	27.0	28.4	7.3	0.3	0.6	0.0	0.0	22.9	110
120DT1	33.7	19.6	12.0	12.0	34.1	61.5	93.3	99.4	99.5	44.5	120
120DT2	46.9	52.9	59.5	65.5	62.6	38.2	6.6	0.5	0.5	44.3	120
120DT3	19.5	27.5	28.4	22.6	3.4	0.3	0.1	0.0	0.1	11.2	120
130DT1	25.4	16.9	8.0	11.1	36.2	51.9	96.1	99.5	99.3	67.0	130
130DT2	43.1	44.3	53.7	64.8	53.7	44.6	3.6	0.4	0.0	24.1	130
130DT3	31.5	38.8	38.3	24.1	10.1	3.5	0.3	0.1	0.7	9.0	130
140pDT1	6.1	4.7	4.0	9.8	19.1	35.0	83.2	96.0	98.2	26.7	140
140pDT2	30.3	23.3	20.3	34.2	59.2	56.6	16.4	3.9	1.3	29.9	140
140pDT3	63.6	72.0	75.7	56.0	21.7	8.4	0.4	0.0	0.5	43.5	140
300pDT1	12.9	13.0	19.1	15.8	30.5	38.7	80.4	91.7	93.3	54.0	300
300pDT2	36.7	39.4	35.9	51.7	56.9	56.4	18.4	7.5	2.9	31.0	300
300pDT3	50.4	47.7	45.0	32.5	12.6	4.9	1.2	0.8	3.8	15.0	300
400pDT1	9.8	11.3	16.9	15.9	28.5	48.8	89.2	95.6	98.9	44.8	400
400pDT2	50.5	49.1	52.2	69.1	64.0	46.3	10.4	4.3	1.1	41.8	400
400pDT3	39.7	39.6	30.9	15.1	7.5	5.0	0.4	0.1	0.0	13.4	400
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0	All

AsIS Dimensioning W/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	36	37	37	37	40	40	37	32	28	36	110
110DT2	51	49	48	48	50	48	44			49	110
110DT3	80	74	69	72	70					75	110
120DT1	38	39	40	42	45	44	40	34	29	40	120
120DT2	51	50	52	56	55	51	48			53	120
120DT3	79	73	74	77						75	120
130DT1	34	35	37	39	40	42	38	34	29	36	130
130DT2	46	45	47	48	50	48				48	130
130DT3	64	63	61	64	57					61	130
140pDT1	33			34	33	33	34	35	29	33	140
140pDT2	43	44	43	42	40	39	38			41	140
140pDT3	51	53	52	52	50	49				52	140
300pDT1	42	41	43	46	43	43	41	36	35	39	300
300pDT2	54	52	52	52	50	50	45	40		50	300
300pDT3	64	63	65	63	59					61	300
400pDT1	49	48	49	48	49	45	44	41	36	44	400
400pDT2	58	57	57	56	55	50	51			55	400
400pDT3	69	67	69	72	61					67	400
All	53	53	54	54	49	46	40	35	32	47	All

Renovated Dimensioning W/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	27	27	28	28	29	29	26	26	23	27	110
110DT2	33	32	32	32	33	31	30			32	110
110DT3	39	36	34	35	36					37	110
120DT1	27	29	30	32	33	31	29	28	25	30	120
120DT2	34	34	36	39	37	34	33			36	120
120DT3	41	39	40	43						40	120
130DT1	24	25	28	29	29	29	27	27	24	27	130
130DT2	30	30	32	32	32	31				32	130
130DT3	36	35	37	35	33					35	130
140pDT1	25			24	23	24	25	28	23	25	140
140pDT2	33	33	33	30	27	26	27			30	140
140pDT3	37	37	36	36	32	30				36	140
300pDT1	34	34	35	35	34	34	32	30	30	32	300
300pDT2	43	41	40	39	37	36	34	32		38	300
300pDT3	47	45	43	42	38					43	300
400pDT1	40	39	38	38	37	35	34	33	31	35	400
400pDT2	46	44	43	41	40	36	37			41	400
400pDT3	50	48	46	45	41					46	400
All	36	36	36	37	34	32	30	29	27	33	All

ECONOMY

Basic invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	1,474	1,460	1,468	1,454	1,629	1,723	1,679	1,299	1,077	1,460	110
110DT2	1,824	1,744	1,702	1,724	1,962	2,031	1,911			1,784	110
110DT3	2,078	1,939	1,839	1,906	2,114					1,977	110
120DT1	1,504	1,455	1,422	1,505	1,825	1,911	1,730	1,238	1,005	1,605	120
120DT2	1,825	1,706	1,699	1,879	2,179	2,222	2,094			1,968	120
120DT3	2,090	1,864	1,861	2,054						1,954	120
130DT1	1,410	1,352	1,376	1,462	1,634	1,791	1,739	1,410	1,059	1,573	130
130DT2	1,672	1,631	1,654	1,947	2,091	2,123				1,929	130
130DT3	1,886	1,804	1,834	2,065	2,346					1,945	130
140pDT1	1,042			1,146	1,143	1,127	1,177	1,157	1,087	1,137	140
140pDT2	1,122	1,133	1,112	1,177	1,285	1,344	1,275			1,220	140
140pDT3	1,173	1,174	1,171	1,234	1,378	1,450				1,201	140
300pDT1	1,103	1,070	1,178	1,210	1,286	1,291	1,134	1,076	1,047	1,129	300
300pDT2	1,242	1,212	1,288	1,393	1,482	1,566	1,372	1,397		1,408	300
300pDT3	1,325	1,290	1,387	1,473	1,512					1,367	300
400pDT1	1,188	1,236	1,331	1,366	1,468	1,291	1,375	1,267	982	1,301	400
400pDT2	1,353	1,358	1,460	1,662	1,734	1,694	1,713			1,607	400
400pDT3	1,395	1,452		1,824	1,781					1,555	400
All	1,541	1,462	1,458	1,602	1,756	1,777	1,472	1,209	1,044	1,524	All

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	158	154	152	147	168	176	180	101	48	146	110
110DT2	229	215	205	204	229	226	215			218	110
110DT3	302	283	264	277	305					288	110
120DT1	164	147	135	141	182	197	181	77	38	152	120
120DT2	226	198	185	210	242	244	238			221	120
120DT3	305	269	259	289						278	120
130DT1	139	131	127	133	140	162	192	112	49	150	130
130DT2	187	182	171	208	210	202				199	130
130DT3	235	232	226	252	259					235	130
140pDT1	62			74	63	61	95	49	36	66	140
140pDT2	77	82	80	85	83	89	109			84	140
140pDT3	91	99	108	115	117	115				105	140
300pDT1	79	77	87	95	107	118	93	61	58	82	300
300pDT2	102	101	109	122	139	158	128	106		129	300
300pDT3	121	125	140	148	153					132	300
400pDT1	104	104	112	110	119	102	126	73	36	100	400
400pDT2	131	127	134	166	165	166	176			154	400
400pDT3	147	150	177	227	181					166	400
All	171	158	153	168	173	175	144	74	47	148	All

Energy DKK/(kWh/year)	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	5.24	5.17	5.17	5.05	4.92	4.88	5.33	4.80	2.95	5.04	110
110DT2	4.50	4.43	4.39	4.36	4.68	4.71	5.35			4.47	110
110DT3	2.79	2.79	2.88	2.85	3.39					2.81	110
120DT1	5.10	4.73	4.39	4.49	4.69	4.97	5.39	3.79	2.57	4.76	120
120DT2	4.62	4.26	4.17	4.33	4.71	5.07	5.61			4.56	120
120DT3	3.01	2.95	2.95	3.22						3.06	120
130DT1	4.46	4.39	4.38	3.98	3.97	3.92	5.65	5.27	3.15	5.03	130
130DT2	4.18	4.21	4.05	4.50	4.18	4.29				4.31	130
130DT3	3.20	3.12	3.49	3.39	4.20					3.46	130
140pDT1	2.38			2.47	2.16	2.16	3.33	2.38	2.02	2.62	140
140pDT2	2.59	2.62	2.65	2.52	2.38	2.46	3.68			2.55	140
140pDT3	2.26	2.22	2.37	2.58	2.37	2.24				2.33	140
300pDT1	3.18	3.47	3.37	2.79	3.63	4.04	3.49	3.35	3.82	3.56	300
300pDT2	3.26	3.24	3.05	3.18	3.59	4.09	4.06	4.68		3.63	300
300pDT3	2.57	2.48	2.31	2.53	2.60					2.54	300
400pDT1	3.62	3.53	3.34	3.51	3.48	3.33	4.22	3.15	1.89	3.54	400
400pDT2	3.94	3.53	3.39	3.87	3.76	4.16	4.47			3.81	400
400pDT3	2.79	2.79	2.67	2.96	3.23					2.88	400
All	3.55	3.24	3.15	3.47	3.95	4.39	4.61	3.64	2.90	3.72	All

Annualised Energy DKK/kWh	Interest 4.0 % p.a.										pS Total	
	p1	p2	p3	p4	p5	p6	p7	p8	p9			
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016			
110DT1	0.27	0.26	0.26	0.26	0.25	0.25	0.27	0.25	0.16	0.26	110	
110DT2	0.22	0.22	0.22	0.22	0.23	0.24	0.27			0.22	110	
110DT3	0.14	0.14	0.14	0.14	0.17					0.14	110	
120DT1	0.26	0.24	0.22	0.23	0.24	0.25	0.27	0.20	0.14	0.24	120	
120DT2	0.23	0.21	0.21	0.22	0.24	0.25	0.28			0.23	120	
120DT3	0.15	0.14	0.14	0.16						0.15	120	
130DT1	0.23	0.22	0.22	0.20	0.20	0.20	0.29	0.27	0.17	0.26	130	
130DT2	0.21	0.21	0.20	0.22	0.21	0.22				0.22	130	
130DT3	0.16	0.15	0.17	0.17	0.21					0.17	130	
140pDT1	0.12			0.13	0.11	0.11	0.17	0.13	0.11	0.14	140	
140pDT2	0.13	0.13	0.14	0.13	0.12	0.13	0.19			0.13	140	
140pDT3	0.11	0.11	0.12	0.13	0.12	0.11				0.12	140	
300pDT1	0.16	0.18	0.17	0.14	0.18	0.20	0.18	0.18	0.20	0.18	300	
300pDT2	0.16	0.16	0.15	0.16	0.18	0.20	0.20	0.24		0.18	300	
300pDT3	0.13	0.12	0.11	0.12	0.13					0.13	300	
400pDT1	0.18	0.18	0.17	0.18	0.18	0.17	0.22	0.17	0.10	0.18	400	
400pDT2	0.20	0.18	0.17	0.19	0.19	0.21	0.22			0.19	400	
400pDT3	0.14	0.14	0.13	0.14	0.16					0.14	400	
All	0.18	0.16	0.16	0.17	0.20	0.22	0.23	0.19	0.15	0.19	All	

Investments per building category

	Basis DKK million	Energy DKK million	Basis Annual investment	Energy DKK million/year	Energy NPV factor	Energy Lifetime
110	37,767	4,610	2,009	230	20.0	41
120	292,743	31,886	15,657	1,602	19.9	40
130	62,826	6,300	3,381	319	19.8	39
140p	109,808	8,139	6,087	414	19.7	39
300p	105,581	8,755	5,727	442	19.8	40
400p	55,966	5,041	3,018	254	19.9	40
All	664,691	64,731	35,878	3,261	19.9	40

Energy cost DKK/m ² per year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	8.05	7.87	7.78	7.50	8.53	8.97	9.19	5.25	2.60	7.45	110
110DT2	11.42	10.75	10.31	10.24	11.48	11.38	10.88			10.93	110
110DT3	14.77	13.88	13.00	13.57	14.91					14.08	110
120DT1	8.33	7.48	6.88	7.19	9.21	9.98	9.24	4.03	2.06	7.74	120
120DT2	11.27	9.96	9.31	10.50	12.12	12.26	11.95			11.09	120
120DT3	14.86	13.16	12.67	14.12						13.56	120
130DT1	7.09	6.67	6.45	6.68	7.10	8.28	9.76	5.79	2.63	7.69	130
130DT2	9.37	9.16	8.58	10.40	10.50	10.17				9.97	130
130DT3	11.56	11.42	11.12	12.45	12.81					11.60	130
140pDT1	3.23			3.84	3.27	3.20	4.89	2.65	1.99	3.45	140
140pDT2	3.97	4.19	4.10	4.36	4.29	4.55	5.56			4.32	140
140pDT3	4.60	5.00	5.38	5.72	5.82	5.80				5.24	140
300pDT1	4.10	3.96	4.45	4.80	5.43	5.97	4.75	3.20	3.00	4.18	300
300pDT2	5.12	5.11	5.48	6.10	6.91	7.87	6.43	5.35		6.44	300
300pDT3	6.01	6.19	6.90	7.29	7.59					6.56	300
400pDT1	5.27	5.29	5.65	5.55	6.04	5.17	6.45	3.81	1.96	5.14	400
400pDT2	6.56	6.35	6.70	8.28	8.25	8.30	8.84			7.72	400
400pDT3	7.26	7.43	8.72	11.04	8.95					8.22	400
All	8.53	7.88	7.66	8.39	8.68	8.84	7.34	3.86	2.48	7.47	All

Lifetime Year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	39	39	39	38	39	39	39	37	35	38	110
110DT2	41	40	40	40	40	40	40			40	110
110DT3	43	43	42	43	43					43	110
120DT1	39	39	38	39	39	39	39	36	33	38	120
120DT2	41	40	40	40	40	40	40			40	120
120DT3	43	43	43	43						43	120
130DT1	38	38	39	40	39	39	39	37	35	38	130
130DT2	40	40	40	41	40	40				40	130
130DT3	42	42	42	42	42					42	130
140pDT1	37			37	37	37	38	35	33	36	140
140pDT2	38	38	38	38	38	38	39			38	140
140pDT3	39	40	41	41	41	40				40	140
300pDT1	37	38	38	40	40	40	38	36	37	38	300
300pDT2	40	40	40	41	41	41	40	40		41	300
300pDT3	41	41	42	42	42					41	300
400pDT1	39	39	40	40	39	39	39	36	34	38	400
400pDT2	40	40	41	41	41	40	40			41	400
400pDT3	41	41	42	43	41					41	400
All	40	40	41	40	40	39	39	36	35	39	All

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	135.9	129.1	124.0	128.0	122.9	116.0	106.9	91.0	75.7	126.3
120	131.2	132.3	136.0	142.7	133.5	125.5	114.7	95.6	79.3	126.4
130	117.5	119.3	119.6	120.2	116.6	115.5	110.1	95.3	79.6	109.0
140	109.5	114.0	113.5	105.5	93.8	91.6	97.4	97.0	78.7	103.5
300	128.9	125.3	126.6	122.2	114.6	115.1	107.6	89.1	87.1	109.5
400	137.4	131.6	132.0	127.9	119.9	108.8	111.9	98.4	88.2	118.0
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	75.5	71.0	68.7	69.8	74.9	74.2	72.1	68.7	59.3	71.9
120	77.8	76.4	80.9	87.0	85.2	82.5	80.4	75.1	64.5	80.6
130	67.2	66.2	69.7	68.6	70.8	71.7	76.0	74.0	64.0	71.8
140	73.4	73.3	71.6	66.0	56.8	56.9	68.6	76.2	60.7	67.4
300	90.5	86.1	81.5	77.9	76.1	79.7	79.7	70.5	71.6	78.3
400	97.0	89.4	85.1	81.8	77.9	73.4	80.8	75.1	68.9	80.6
All	79.3	76.5	76.8	77.7	76.5	77.0	77.7	73.5	66.5	76.2

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	60.3	58.1	55.3	58.2	48.0	41.8	34.8	22.3	16.4	54.4
120	53.4	55.8	55.1	55.8	48.4	43.0	34.3	20.4	14.9	45.8
130	50.3	53.1	49.8	51.6	45.9	43.8	34.1	21.3	15.5	37.2
140	36.2	40.7	41.9	39.5	37.0	34.7	28.8	20.8	18.0	36.1
300	38.4	39.2	45.1	44.2	38.4	35.4	27.9	18.6	15.6	31.2
400	40.4	42.2	46.9	46.2	42.0	35.4	31.0	23.3	19.3	37.3
All	48.1	48.6	48.7	48.5	43.7	39.9	31.3	20.3	16.1	39.9

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	44.4	45.0	44.6	45.5	39.1	36.0	32.5	24.5	21.7	43.1
120	40.7	42.2	40.5	39.1	36.2	34.2	29.9	21.4	18.8	36.2
130	42.8	44.5	41.7	42.9	39.3	37.9	31.0	22.3	19.5	34.1
140	33.0	35.7	36.9	37.4	39.4	37.8	29.6	21.4	22.8	34.9
300	29.8	31.3	35.6	36.2	33.6	30.8	25.9	20.9	17.9	28.5
400	29.4	32.1	35.5	36.1	35.1	32.5	27.7	23.7	21.9	31.7
All	37.7	38.8	38.8	38.4	36.4	34.2	28.7	21.6	19.5	34.4

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	6,544	8,643	2,376	749	858	628	968	464	733	21,964
120	10,467	25,948	16,846	12,018	40,852	22,254	17,965	7,508	8,351	162,208
130	1,529	2,434	1,790	2,218	4,910	3,763	12,962	4,135	3,391	37,130
140	6,276	21,491	15,533	8,529	16,585	5,348	9,157	4,540	4,852	92,312
300	4,671	8,809	4,225	3,878	14,721	7,630	20,230	9,771	10,465	84,399
400	2,564	4,566	2,683	3,545	8,952	4,436	6,597	2,562	2,359	38,264
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277

Gross area %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	29.8	39.3	10.8	3.4	3.9	2.9	4.4	2.1	3.3	5.0
120	6.5	16.0	10.4	7.4	25.2	13.7	11.1	4.6	5.1	37.2
130	4.1	6.6	4.8	6.0	13.2	10.1	34.9	11.1	9.1	8.5
140	6.8	23.3	16.8	9.2	18.0	5.8	9.9	4.9	5.3	21.2
300	5.5	10.4	5.0	4.6	17.4	9.0	24.0	11.6	12.4	19.3
400	6.7	11.9	7.0	9.3	23.4	11.6	17.2	6.7	6.2	8.8
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0

ECONOMY

Basic invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	11,712	14,907	4,015	1,299	1,616	1,171	1,647	609	790	37,767
120	18,511	44,109	28,835	22,521	84,309	45,200	31,523	9,314	8,423	292,743
130	2,557	4,018	3,044	4,262	9,578	7,319	22,632	5,835	3,582	62,826
140	7,214	24,895	17,942	10,285	21,192	6,828	10,925	5,262	5,266	109,808
300	5,914	10,842	5,541	5,390	20,994	11,136	23,910	10,753	11,101	105,581
400	3,470	6,308	3,972	5,813	14,876	6,631	9,309	3,264	2,323	55,966
All	49,379	105,079	63,349	49,569	152,565	78,285	99,944	35,037	31,485	664,691

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	1,491	1,884	499	161	187	125	177	48	36	4,610
120	2,304	5,391	3,370	2,636	9,167	4,789	3,324	582	322	31,886
130	290	469	338	467	929	681	2,497	464	167	6,300
140	533	2,012	1,567	860	1,438	435	892	226	176	8,139
300	507	964	503	489	1,927	1,090	2,024	630	620	8,755
400	344	608	386	590	1,370	596	870	189	88	5,041
All	5,470	11,329	6,662	5,203	15,020	7,716	9,784	2,139	1,408	64,731

Energy invest. DKK/m²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	228	218	210	215	219	200	183	104	48	210
120	220	208	200	219	224	215	185	78	39	197
130	190	193	189	210	189	181	193	112	49	170
140	85	94	101	101	87	81	97	50	36	88
300	109	109	119	126	131	143	100	65	59	104
400	134	133	144	166	153	134	132	74	37	132
All	171	158	153	168	173	175	144	74	47	148

Energy DKK/kWh	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	6.16	5.74	5.53	5.38	5.46	4.99	4.82	2.89	1.31	5.56
120	5.50	5.19	5.00	5.35	5.47	5.25	4.63	1.94	#VALUE!	4.85
130	4.63	4.70	4.49	5.01	4.50	#VALUE!	#VALUE!	#VALUE!	#VALUE!	4.11
140	2.18	2.40	2.52	2.52	2.22	2.09	2.50	1.38	1.07	2.32
300	2.71	2.74	2.90	3.08	3.19	3.57	2.50	#VALUE!	#VALUE!	2.56
400	3.27	3.25	3.42	3.87	3.73	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3.19
All	4.25	3.92	3.79	4.16	4.35	4.44	3.72	2.04	1.34	3.78

Annualised Energy cost DKK million/year	Interest	4.0 % p.a.								
	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	74.2	93.9	25.0	8.1	9.4	6.3	9.0	2.5	1.9	230
120	114.9	268.7	168.0	131.3	459.7	241.7	169.4	30.5	17.5	1,602
130	14.5	23.4	16.8	23.2	46.6	34.5	127.0	24.0	8.9	319
140	27.2	101.7	78.7	43.2	73.5	22.4	45.8	12.1	9.7	414
300	25.4	48.2	25.0	24.3	96.3	54.5	103.0	32.9	32.3	442
400	17.2	30.4	19.2	29.3	68.7	30.0	44.3	9.9	4.7	254
All	273	566	333	259	754	389	499	112	75	3,261

Energy cost DKK/m² per year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	11.34	10.87	10.51	10.75	10.95	10.09	9.34	5.38	2.60	10.49
120	10.98	10.36	9.97	10.92	11.25	10.86	9.43	4.06	2.09	9.87
130	9.48	9.61	9.38	10.48	9.50	9.16	9.80	5.80	2.62	8.59
140	4.33	4.73	5.06	5.07	4.43	4.18	5.00	2.66	1.99	4.49
300	5.44	5.48	5.92	6.28	6.54	7.14	5.09	3.36	3.08	5.24
400	6.71	6.66	7.15	8.26	7.67	6.76	6.71	3.87	2.00	6.63
All	8.53	7.88	7.66	8.39	8.68	8.84	7.34	3.86	2.48	7.47

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.19	0.19	0.19	0.18	0.23	0.24	0.27	0.24	0.16	0.19
120	0.21	0.19	0.18	0.20	0.23	0.25	0.28	0.20	0.14	0.22
130	0.19	0.18	0.19	0.20	0.21	0.21	0.29	0.27	0.17	0.23
140	0.12	0.12	0.12	0.13	0.12	0.12	0.17	0.13	0.11	0.12
300	0.14	0.14	0.13	0.14	0.17	0.20	0.18	0.18	0.20	0.17
400	0.17	0.16	0.15	0.18	0.18	0.19	0.22	0.17	0.10	0.18
All	0.18	0.16	0.16	0.17	0.20	0.22	0.23	0.19	0.15	0.19

Lifetime year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	41	41	41	41	40	39	39	37	35	41
120	41	41	41	41	40	40	39	36	34	40
130	41	41	41	41	40	39	39	37	35	39
140	39	39	40	40	38	38	38	35	33	39
300	40	40	41	41	41	40	39	37	37	40
400	41	41	41	41	40	40	39	36	34	40
All	41	41	41	41	40	40	39	36	35	40

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.203	0.232	0.053	0.013	0.026	0.039	0.095	0.041	0.056	0.758
110DT2	0.367	0.502	0.146	0.050	0.070	0.033	0.008	0.001	0.000	1.177
110DT3	0.320	0.381	0.095	0.033	0.009	0.000	0.001	0.000	0.000	0.840
120DT1	0.387	0.568	0.236	0.174	1.808	1.729	1.919	0.713	0.658	8.193
120DT2	0.626	1.722	1.292	1.090	3.433	1.055	0.139	0.004	0.004	9.365
120DT3	0.361	1.141	0.763	0.451	0.214	0.009	0.003	0.000	0.000	2.941
130DT1	0.039	0.042	0.015	0.028	0.203	0.235	1.374	0.392	0.269	2.598
130DT2	0.075	0.121	0.112	0.168	0.316	0.190	0.049	0.002	0.000	1.033
130DT3	0.066	0.127	0.087	0.070	0.053	0.009	0.004	0.000	0.001	0.417
140pDT1	0.037	0.101	0.073	0.082	0.292	0.173	0.753	0.426	0.377	2.313
140pDT2	0.202	0.538	0.333	0.289	0.895	0.272	0.134	0.014	0.004	2.681
140pDT3	0.449	1.809	1.357	0.529	0.369	0.045	0.004	0.000	0.001	4.564
300pDT1	0.068	0.126	0.092	0.076	0.519	0.346	1.781	0.809	0.861	4.678
300pDT2	0.213	0.414	0.178	0.235	0.940	0.488	0.367	0.057	0.027	2.918
300pDT3	0.321	0.563	0.264	0.163	0.228	0.044	0.029	0.004	0.023	1.641
400pDT1	0.033	0.066	0.059	0.071	0.322	0.247	0.662	0.243	0.206	1.909
400pDT2	0.170	0.282	0.175	0.301	0.674	0.214	0.072	0.009	0.002	1.900
400pDT3	0.149	0.253	0.120	0.081	0.078	0.021	0.004	0.000	0.000	0.707
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.145	0.167	0.039	0.009	0.019	0.027	0.065	0.031	0.044	0.545
110DT2	0.222	0.302	0.088	0.030	0.042	0.020	0.005	0.000	0.000	0.710
110DT3	0.127	0.144	0.036	0.013	0.004	0.000	0.000	0.000	0.000	0.324
120DT1	0.274	0.410	0.174	0.129	1.269	1.188	1.355	0.561	0.536	5.896
120DT2	0.386	1.082	0.847	0.709	2.117	0.645	0.089	0.003	0.002	5.879
120DT3	0.154	0.490	0.343	0.207	0.093	0.004	0.001	0.000	0.000	1.293
130DT1	0.027	0.030	0.011	0.020	0.141	0.154	0.951	0.305	0.217	1.855
130DT2	0.046	0.075	0.071	0.102	0.184	0.111	0.031	0.001	0.000	0.621
130DT3	0.030	0.057	0.043	0.030	0.023	0.005	0.002	0.000	0.000	0.190
140pDT1	0.027	0.075	0.052	0.057	0.200	0.120	0.536	0.336	0.291	1.692
140pDT2	0.145	0.382	0.238	0.191	0.550	0.163	0.090	0.011	0.003	1.772
140pDT3	0.289	1.118	0.822	0.315	0.192	0.022	0.002	0.000	0.001	2.761
300pDT1	0.053	0.101	0.071	0.055	0.386	0.260	1.347	0.645	0.714	3.633
300pDT2	0.159	0.306	0.124	0.158	0.616	0.322	0.249	0.041	0.018	1.993
300pDT3	0.210	0.352	0.149	0.089	0.119	0.027	0.016	0.003	0.017	0.981
400pDT1	0.026	0.050	0.043	0.054	0.234	0.181	0.486	0.187	0.161	1.422
400pDT2	0.127	0.202	0.120	0.196	0.423	0.133	0.045	0.006	0.001	1.252
400pDT3	0.096	0.156	0.065	0.040	0.040	0.012	0.002	0.000	0.000	0.412
All	2.543	5.499	3.335	2.405	6.650	3.391	5.273	2.129	2.005	33.231

Saving TWh	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS Total
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	
110DT1	0.058	0.065	0.015	0.003	0.008	0.012	0.030	0.010	0.012	0.213
110DT2	0.145	0.200	0.058	0.019	0.028	0.014	0.003	0.001	0.000	0.467
110DT3	0.192	0.237	0.059	0.021	0.006	0.000	0.001	0.000	0.000	0.515
120DT1	0.113	0.158	0.062	0.045	0.540	0.541	0.564	0.152	0.123	2.297
120DT2	0.240	0.640	0.445	0.381	1.316	0.410	0.050	0.002	0.002	3.486
120DT3	0.206	0.651	0.420	0.244	0.120	0.005	0.002	0.000	0.000	1.648
130DT1	0.012	0.012	0.004	0.008	0.063	0.081	0.423	0.087	0.053	0.743
130DT2	0.029	0.047	0.041	0.067	0.132	0.079	0.017	0.001	0.000	0.412
130DT3	0.035	0.070	0.044	0.040	0.030	0.005	0.002	0.000	0.000	0.227
140pDT1	0.010	0.026	0.021	0.025	0.092	0.053	0.217	0.091	0.086	0.621
140pDT2	0.057	0.156	0.095	0.098	0.344	0.109	0.044	0.004	0.001	0.909
140pDT3	0.160	0.692	0.535	0.213	0.177	0.023	0.002	0.000	0.000	1.802
300pDT1	0.015	0.026	0.021	0.021	0.133	0.087	0.433	0.164	0.147	1.046
300pDT2	0.053	0.108	0.054	0.077	0.324	0.166	0.118	0.017	0.009	0.926
300pDT3	0.111	0.211	0.115	0.074	0.110	0.017	0.013	0.002	0.007	0.660
400pDT1	0.007	0.015	0.015	0.018	0.088	0.066	0.176	0.057	0.045	0.486
400pDT2	0.043	0.080	0.055	0.105	0.251	0.082	0.027	0.003	0.001	0.648
400pDT3	0.053	0.097	0.055	0.041	0.038	0.009	0.002	0.000	0.000	0.295
All	1.540	3.492	2.115	1.500	3.798	1.759	2.124	0.588	0.485	17.402

Basic invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS Total
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	
110DT1	2,830.5	3,190.4	732.0	174.1	371.5	586.3	1,485.3	584.9	789.9	10,745.0
110DT2	5,193.3	7,196.1	2,102.4	718.5	1,112.4	580.1	148.0	24.5	0.0	17,075.3
110DT3	3,688.7	4,520.5	1,180.7	406.1	132.5	4.6	13.3	0.0	0.0	9,946.4
120DT1	5,301.7	7,399.3	2,883.3	2,162.3	25,398.9	26,150.4	28,989.6	9,239.7	8,345.7	115,870.8
120DT2	8,953.4	23,413.5	17,042.8	14,786.0	55,699.3	18,895.5	2,492.3	70.6	61.6	141,415.1
120DT3	4,256.4	13,295.7	8,908.5	5,572.2	3,210.6	153.9	40.8	3.6	15.4	35,457.0
130DT1	547.9	556.6	197.4	358.4	2,907.5	3,499.4	21,669.9	5,800.6	3,564.1	39,101.9
130DT2	1,100.8	1,758.4	1,588.3	2,799.0	5,511.5	3,561.8	886.8	28.7	0.4	17,235.6
130DT3	908.4	1,703.0	1,258.0	1,104.7	1,159.3	257.6	75.1	5.4	17.1	6,488.4
140pDT1	400.1	1,042.8	667.6	961.8	3,616.0	2,107.3	8,961.6	5,046.1	5,181.5	27,984.7
140pDT2	2,136.3	5,680.4	3,508.7	3,427.4	12,609.9	4,066.7	1,915.0	214.2	72.4	33,631.1
140pDT3	4,677.3	18,171.8	13,765.7	5,895.7	4,966.0	654.3	48.0	1.3	12.0	48,192.1
300pDT1	664.9	1,223.5	952.7	743.6	5,772.3	3,811.0	18,455.9	9,641.6	10,222.7	51,488.2
300pDT2	2,127.0	4,203.3	1,952.1	2,792.9	12,413.9	6,742.7	5,112.4	1,021.1	434.2	36,799.8
300pDT3	3,122.6	5,415.0	2,636.4	1,853.3	2,807.6	582.0	341.5	90.2	444.5	17,293.2
400pDT1	299.6	636.7	602.5	768.5	3,746.6	2,791.8	8,086.5	3,103.5	2,289.5	22,325.1
400pDT2	1,751.8	3,044.9	2,045.8	4,069.5	9,931.8	3,478.0	1,172.9	159.1	32.8	25,686.4
400pDT3	1,418.6	2,626.7	1,323.6	974.9	1,197.6	361.5	49.3	1.7	0.9	7,954.9
All	49,379.2	105,078.7	63,348.6	49,569.0	152,565.0	78,285.3	99,944.1	35,036.7	31,484.6	664,691.2

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	303.4	337.7	76.0	17.6	38.4	60.0	159.3	45.7	35.6	1,073.7
110DT2	651.0	885.8	253.7	84.9	129.9	64.6	16.7	2.6	0.0	2,089.2
110DT3	536.9	660.5	169.7	59.0	19.1	0.7	1.5	0.0	0.0	1,447.3
120DT1	576.9	746.2	273.1	202.8	2,529.6	2,690.9	3,035.8	575.0	314.4	10,944.7
120DT2	1,106.5	2,724.0	1,857.5	1,648.9	6,194.5	2,078.6	282.7	6.3	5.7	15,904.8
120DT3	621.0	1,920.9	1,239.7	784.1	443.2	19.5	5.4	0.6	1.7	5,036.1
130DT1	53.8	53.8	18.2	32.6	248.6	317.1	2,389.1	460.8	165.7	3,739.5
130DT2	123.1	196.5	164.7	299.2	552.6	339.3	98.8	2.3	0.0	1,776.5
130DT3	113.1	219.1	154.9	134.8	127.8	24.2	8.7	0.6	1.0	784.2
140pDT1	23.8	64.8	48.8	62.0	198.5	114.9	723.2	215.8	173.0	1,624.8
140pDT2	146.9	409.3	251.8	248.2	819.5	268.3	163.5	9.9	2.8	2,320.4
140pDT3	362.6	1,537.5	1,266.0	549.9	420.4	52.1	5.0	0.1	0.2	4,193.8
300pDT1	47.9	88.6	70.4	58.4	482.3	349.5	1,511.4	547.3	561.9	3,717.5
300pDT2	174.1	351.4	165.5	244.4	1,160.4	680.4	476.8	77.5	31.3	3,361.7
300pDT3	285.2	524.4	266.8	186.4	284.7	60.1	35.8	5.5	26.9	1,675.9
400pDT1	26.2	53.7	50.8	61.8	304.4	220.5	743.5	178.0	84.9	1,723.7
400pDT2	169.0	283.8	187.9	407.0	944.5	340.0	120.7	11.3	2.6	2,466.8
400pDT3	149.0	270.9	147.0	121.1	121.5	35.4	5.9	0.1	0.1	850.9
All	5,470.2	11,328.9	6,662.5	5,203.2	15,019.9	7,716.2	9,783.7	2,139.4	1,407.5	64,731.5

Energy cost DKK million/year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	15.5	17.2	3.9	0.9	1.9	3.1	8.1	2.4	1.9	54.8
110DT2	32.5	44.4	12.7	4.3	6.5	3.2	0.8	0.1	0.0	104.6
110DT3	26.2	32.4	8.3	2.9	0.9	0.0	0.1	0.0	0.0	70.9
120DT1	29.4	38.1	13.9	10.3	128.2	136.5	154.9	30.1	17.1	558.5
120DT2	55.3	136.7	93.4	82.6	309.8	104.3	14.2	0.3	0.3	797.0
120DT3	30.2	93.9	60.7	38.3	21.6	1.0	0.3	0.0	0.1	246.1
130DT1	2.8	2.7	0.9	1.6	12.6	16.2	121.6	23.8	8.8	191.1
130DT2	6.2	9.9	8.2	14.9	27.7	17.1	5.0	0.1	0.0	89.1
130DT3	5.6	10.8	7.6	6.7	6.3	1.2	0.4	0.0	0.1	38.7
140pDT1	1.2	3.4	2.5	3.2	10.4	6.0	37.2	11.6	9.5	84.9
140pDT2	7.6	21.0	13.0	12.7	42.1	13.8	8.3	0.5	0.1	119.2
140pDT3	18.4	77.3	63.2	27.3	21.0	2.6	0.2	0.0	0.0	210.1
300pDT1	2.5	4.5	3.6	3.0	24.4	17.6	77.2	28.7	29.3	190.7
300pDT2	8.8	17.7	8.3	12.2	57.9	33.9	24.0	3.9	1.6	168.3
300pDT3	14.2	26.0	13.1	9.2	14.1	3.0	1.8	0.3	1.4	83.0
400pDT1	1.3	2.7	2.6	3.1	15.4	11.2	37.9	9.3	4.6	88.2
400pDT2	8.5	14.2	9.4	20.3	47.2	17.0	6.1	0.6	0.1	123.4
400pDT3	7.4	13.4	7.2	5.9	6.0	1.8	0.3	0.0	0.0	42.1
All	273.3	566.4	332.7	259.5	754.2	389.4	498.5	111.8	74.9	3,260.7

Interest	4.0	% p.a.
NPV factor	Lifetime	
0.96	1.0	
1.89	2.0	
2.78	3.0	
3.63	4.0	
4.45	5.0	
5.24	6.0	
6.00	7.0	
6.73	8.0	
7.44	9.0	
8.11	10.0	
8.76	11.0	
9.39	12.0	
9.99	13.0	
10.56	14.0	
11.12	15.0	
11.65	16.0	
12.17	17.0	
12.66	18.0	
13.13	19.0	
13.59	20.0	
14.03	21.0	
14.45	22.0	
14.86	23.0	
15.25	24.0	
15.62	25.0	
15.98	26.0	
16.33	27.0	
16.66	28.0	
16.98	29.0	
17.29	30.0	
17.59	31.0	
17.87	32.0	
18.15	33.0	
18.41	34.0	
18.66	35.0	
18.91	36.0	
19.14	37.0	
19.37	38.0	
19.58	39.0	
19.79	40.0	
19.99	41.0	
20.19	42.0	
20.37	43.0	
20.55	44.0	
20.72	45.0	
20.88	46.0	
21.04	47.0	
21.20	48.0	
21.34	49.0	
21.48	50.0	
21.62	51.0	
21.75	52.0	
21.87	53.0	
21.99	54.0	
22.11	55.0	
22.22	56.0	
22.33	57.0	
22.43	58.0	
22.53	59.0	
22.62	60.0	

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016
110DT1	19.64	19.62	19.58	19.56	19.74	19.66	19.60	19.31	18.67
110DT2	20.02	19.96	19.92	19.90	19.96	19.87	19.81		
110DT3	20.47	20.41	20.33	20.39	20.44				
120DT1	19.65	19.60	19.58	19.62	19.73	19.71	19.60	19.09	18.40
120DT2	20.01	19.92	19.89	19.95	19.99	19.93	19.87		
120DT3	20.53	20.45	20.43	20.47					
130DT1	19.55	19.58	19.60	19.88	19.68	19.61	19.65	19.34	18.73
130DT2	19.96	19.90	19.98	20.02	19.97	19.89			
130DT3	20.31	20.32	20.31	20.24	20.19				
140pDT1	19.15			19.26	19.16	19.21	19.42	18.68	18.22
140pDT2	19.45	19.47	19.44	19.57	19.44	19.47	19.60		
140pDT3	19.76	19.88	20.03	20.12	20.04	19.93			
300pDT1	19.36	19.53	19.57	19.79	19.80	19.81	19.57	19.09	19.19
300pDT2	19.84	19.83	19.92	20.00	20.05	20.07	19.89	19.81	
300pDT3	20.14	20.18	20.34	20.31	20.21				
400pDT1	19.71	19.71	19.84	19.80	19.76	19.73	19.60	19.05	18.52
400pDT2	19.90	19.93	20.03	20.08	20.00	19.96	19.94		
400pDT3	20.18	20.15	20.33	20.52	20.17				

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.889	1.115	0.295	0.096	0.105	0.073	0.103	0.042	0.056	2.774
120	1.373	3.432	2.290	1.715	5.454	2.793	2.060	0.718	0.663	20.499
130	0.180	0.290	0.214	0.267	0.573	0.435	1.427	0.394	0.270	4.048
140	0.687	2.449	1.762	0.900	1.556	0.490	0.892	0.440	0.382	9.558
300	0.602	1.104	0.535	0.474	1.686	0.878	2.177	0.870	0.912	9.238
400	0.352	0.601	0.354	0.454	1.073	0.482	0.738	0.252	0.208	4.515
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.494	0.613	0.163	0.052	0.064	0.047	0.070	0.032	0.044	1.579
120	0.814	1.983	1.363	1.045	3.479	1.837	1.445	0.564	0.538	13.068
130	0.103	0.161	0.125	0.152	0.347	0.270	0.985	0.306	0.217	2.666
140	0.461	1.575	1.112	0.563	0.942	0.304	0.628	0.346	0.295	6.226
300	0.423	0.758	0.344	0.302	1.121	0.608	1.613	0.689	0.749	6.607
400	0.249	0.408	0.228	0.290	0.697	0.326	0.533	0.192	0.163	3.086
All	2.543	5.499	3.335	2.405	6.650	3.391	5.273	2.129	2.005	33.231

Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.395	0.502	0.131	0.044	0.041	0.026	0.034	0.010	0.012	1.195
120	0.559	1.449	0.927	0.670	1.976	0.956	0.616	0.153	0.124	7.431
130	0.077	0.129	0.089	0.114	0.225	0.165	0.442	0.088	0.053	1.382
140	0.227	0.874	0.651	0.337	0.613	0.185	0.264	0.094	0.087	3.332
300	0.179	0.345	0.191	0.172	0.566	0.270	0.564	0.182	0.163	2.632
400	0.104	0.193	0.126	0.164	0.376	0.157	0.205	0.060	0.046	1.429
All	1.540	3.492	2.115	1.500	3.798	1.759	2.124	0.588	0.485	17.402

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	20.10	20.06	20.00	20.04	19.96	19.77	19.62	19.33	18.67	20.02
120	20.06	20.06	20.06	20.08	19.94	19.81	19.62	19.10	18.42	19.91
130	20.02	20.06	20.11	20.07	19.92	19.75	19.66	19.34	18.73	19.76
140	19.64	19.78	19.91	19.90	19.58	19.46	19.46	18.69	18.23	19.65
300	19.96	19.99	20.09	20.09	20.01	19.99	19.65	19.18	19.22	19.81
400	20.01	20.01	20.12	20.14	19.96	19.87	19.65	19.08	18.55	19.88
All	20.01	20.00	20.03	20.05	19.92	19.81	19.63	19.13	18.79	19.85

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	105.5	106.3	106.9	107.8	115.6	115.2	106.9	91.0	75.7	102.9	110
110DT2	128.8	121.6	118.3	119.4	123.1	116.6	104.3			123.0	110
110DT3	180.0	163.6	148.1	156.2	147.7					166.9	110
120DT1	109.7	111.7	116.4	121.4	129.9	126.4	114.5	95.5	79.2	113.5	120
120DT2	127.6	125.5	128.8	138.6	134.3	124.1	116.7			130.3	120
120DT3	177.2	160.0	159.3	166.1						162.1	120
130DT1	99.8	101.4	107.3	114.2	114.2	120.4	110.3	95.3	80.0	104.5	130
130DT2	114.3	112.5	116.2	117.2	120.0	113.1				115.7	130
130DT3	136.0	134.8	126.9	130.9	107.7					125.0	130
140pDT1	95.3			97.5	92.2	92.4	98.9	97.7	79.1	94.0	140
140pDT2	106.0	107.3	105.4	99.4	91.1	89.8	89.4			97.2	140
140pDT3	112.6	116.9	115.4	110.7	102.5	100.2				113.8	140
300pDT1	113.4	110.6	114.3	123.5	115.6	117.2	109.4	90.2	88.2	102.6	300
300pDT2	124.1	119.4	117.7	117.0	112.2	113.3	98.5	78.4		111.6	300
300pDT3	136.3	134.2	138.9	129.8	122.9					129.8	300
400pDT1	131.3	127.4	129.6	126.6	126.1	114.2	112.5	99.3	88.5	111.2	400
400pDT2	131.2	125.8	125.2	122.9	117.7	104.4	105.9			118.8	400
400pDT3	146.6	140.1	145.0	152.3	115.3					138.2	400
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1	All

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	74.2	75.4	76.4	77.6	80.2	78.3	72.5	67.9	57.3	72.9	110
110DT2	77.7	72.8	71.1	72.2	73.8	68.4	63.8			73.8	110
110DT3	71.6	61.8	56.4	59.2	57.8					64.4	110
120DT1	76.6	79.7	84.6	88.6	90.0	85.9	79.8	72.2	62.1	80.3	120
120DT2	78.4	78.5	84.0	89.6	82.4	75.5	74.0			81.4	120
120DT3	75.7	68.6	71.4	76.1						71.1	120
130DT1	68.0	70.8	77.4	79.2	78.1	78.4	75.9	71.8	61.9	73.5	130
130DT2	69.2	68.9	73.3	70.5	69.4	65.5				69.1	130
130DT3	62.6	60.2	62.1	56.5	46.0					56.9	130
140pDT1	69.0			67.0	62.5	63.4	70.0	75.9	60.4	68.1	140
140pDT2	76.0	76.1	75.0	65.3	55.8	53.6	59.7			64.0	140
140pDT3	72.4	72.1	69.8	65.8	53.2	48.5				68.7	140
300pDT1	88.2	87.8	88.0	89.0	85.4	87.4	82.1	71.1	72.3	78.9	300
300pDT2	92.8	87.9	81.6	78.5	73.3	74.5	66.7	55.4		76.0	300
300pDT3	89.1	83.7	78.1	70.9	63.7					77.4	300
400pDT1	102.3	97.3	95.3	94.0	90.7	82.3	81.6	74.8	68.1	81.8	400
400pDT2	97.9	89.7	85.1	79.4	73.5	64.2	66.1			77.9	400
400pDT3	93.9	86.2	78.3	75.4	59.1					80.3	400
All	79.0	76.2	76.4	77.3	76.0	76.4	77.0	71.8	65.0	75.6	All

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	31.3	30.9	30.4	30.2	35.4	36.9	34.4	23.0	18.5	30.1	110
110DT2	51.1	48.8	47.2	47.2	49.2	48.2	40.5			49.2	110
110DT3	108.4	101.8	91.7	97.1	89.9					102.5	110
120DT1	33.0	32.0	31.8	32.8	39.9	40.4	34.7	23.3	17.2	33.2	120
120DT2	49.2	47.0	44.8	48.9	51.9	48.5	42.6			48.9	120
120DT3	101.4	91.4	87.9	90.1						91.0	120
130DT1	31.8	30.6	29.9	35.1	36.1	42.0	34.4	23.6	18.1	31.0	130
130DT2	45.1	43.6	42.9	46.7	50.6	47.6				46.6	130
130DT3	73.5	74.6	64.8	74.4	61.7					68.1	130
140pDT1	26.3			30.5	29.6	29.0	28.9	21.8	18.7	25.8	140
140pDT2	30.0	31.3	30.4	34.1	35.4	36.2	29.7			33.2	140
140pDT3	40.2	44.8	45.6	44.8	49.3	51.7				45.0	140
300pDT1	25.2	22.8	26.3	34.4	30.2	29.9	27.4	19.1	16.0	23.7	300
300pDT2	31.4	31.5	36.0	38.6	38.9	38.8	31.8	23.1		35.7	300
300pDT3	47.2	50.5	60.8	58.8	59.2					52.3	300
400pDT1	29.0	30.1	34.4	32.6	35.3	31.9	30.9	24.5	20.4	29.4	400
400pDT2	33.4	36.1	40.1	43.5	44.2	40.2	39.8			40.9	400
400pDT3	52.8	53.9	66.6	76.8	56.2					57.9	400
All	48.4	48.9	49.0	48.9	44.2	40.5	32.0	22.0	17.6	40.5	All

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	29.7	29.1	28.5	28.0	30.6	32.1	32.2	25.3	24.4	29.2	110
110DT2	39.7	40.1	39.9	39.5	40.0	41.3	38.8			40.0	110
110DT3	60.2	62.2	61.9	62.1	60.9					61.4	110
120DT1	30.1	28.6	27.3	27.0	30.7	32.0	30.3	24.4	21.6	29.3	120
120DT2	38.5	37.4	34.8	35.3	38.7	39.1	36.5			37.5	120
120DT3	57.3	57.1	55.2	54.2						56.1	120
130DT1	31.8	30.2	27.8	30.7	31.6	34.9	31.2	24.7	22.6	29.6	130
130DT2	39.4	38.7	36.9	39.9	42.1	42.1				40.3	130
130DT3	54.0	55.3	51.1	56.8	57.3					54.5	130
140pDT1	27.6			31.2	32.2	31.4	29.2	22.3	23.6	27.5	140
140pDT2	28.3	29.1	28.8	34.3	38.8	40.3	33.3			34.1	140
140pDT3	35.7	38.3	39.5	40.5	48.1	51.6				39.6	140
300pDT1	22.2	20.6	23.0	27.9	26.1	25.5	25.0	21.1	18.1	23.1	300
300pDT2	25.3	26.4	30.6	32.9	34.7	34.3	32.3	29.4		31.9	300
300pDT3	34.6	37.6	43.8	45.3	48.2					40.3	300
400pDT1	22.1	23.6	26.5	25.7	28.0	27.9	27.5	24.7	23.1	26.5	400
400pDT2	25.4	28.7	32.0	35.4	37.6	38.5	37.6			34.4	400
400pDT3	36.0	38.5	46.0	50.5	48.7					41.9	400
All	38.0	39.1	39.1	38.8	36.8	34.6	29.3	23.4	21.3	34.9	All

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	1,921	2,186	499	120	228	340	885	450	733	7,362	110
110DT2	2,848	4,126	1,235	417	567	286	77	14	0	9,570	110
110DT3	1,775	2,331	642	213	63	2	6	0	0	5,032	110
120DT1	3,525	5,087	2,027	1,437	13,916	13,682	16,756	7,466	8,305	72,203	120
120DT2	4,906	13,726	10,030	7,869	25,556	8,505	1,190	40	38	71,861	120
120DT3	2,036	7,134	4,788	2,713	1,380	66	19	2	8	18,145	120
130DT1	388	412	143	245	1,780	1,954	12,459	4,115	3,366	24,862	130
130DT2	658	1,078	961	1,437	2,636	1,678	466	18	1	8,933	130
130DT3	482	944	686	535	494	131	37	3	24	3,336	130
140pDT1	384	1,002	619	839	3,163	1,870	7,617	4,361	4,766	24,621	140
140pDT2	1,903	5,015	3,157	2,913	9,816	3,026	1,502	178	61	27,571	140
140pDT3	3,988	15,474	11,757	4,777	3,605	451	39	2	25	40,119	140
300pDT1	603	1,143	808	614	4,489	2,952	16,271	8,963	9,762	45,607	300
300pDT2	1,712	3,468	1,516	2,005	8,376	4,305	3,726	731	304	26,143	300
300pDT3	2,356	4,197	1,901	1,258	1,856	372	233	77	398	12,649	300
400pDT1	252	515	453	562	2,552	2,162	5,883	2,450	2,332	17,161	400
400pDT2	1,294	2,243	1,401	2,448	5,727	2,053	684	111	26	15,988	400
400pDT3	1,017	1,808	829	535	673	220	30	2	1	5,114	400
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277	All

DT1,2,3 % of gross area	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	29.3	25.3	21.0	16.0	26.6	54.2	91.4	97.0	100.0	33.5	110
110DT2	43.5	47.7	52.0	55.6	66.1	45.5	8.0	3.0	0.0	43.6	110
110DT3	27.1	27.0	27.0	28.4	7.3	0.3	0.6	0.0	0.0	22.9	110
120DT1	33.7	19.6	12.0	12.0	34.1	61.5	93.3	99.4	99.5	44.5	120
120DT2	46.9	52.9	59.5	65.5	62.6	38.2	6.6	0.5	0.5	44.3	120
120DT3	19.5	27.5	28.4	22.6	3.4	0.3	0.1	0.0	0.1	11.2	120
130DT1	25.4	16.9	8.0	11.1	36.2	51.9	96.1	99.5	99.3	67.0	130
130DT2	43.1	44.3	53.7	64.8	53.7	44.6	3.6	0.4	0.0	24.1	130
130DT3	31.5	38.8	38.3	24.1	10.1	3.5	0.3	0.1	0.7	9.0	130
140pDT1	6.1	4.7	4.0	9.8	19.1	35.0	83.2	96.0	98.2	26.7	140
140pDT2	30.3	23.3	20.3	34.2	59.2	56.6	16.4	3.9	1.3	29.9	140
140pDT3	63.6	72.0	75.7	56.0	21.7	8.4	0.4	0.0	0.5	43.5	140
300pDT1	12.9	13.0	19.1	15.8	30.5	38.7	80.4	91.7	93.3	54.0	300
300pDT2	36.7	39.4	35.9	51.7	56.9	56.4	18.4	7.5	2.9	31.0	300
300pDT3	50.4	47.7	45.0	32.5	12.6	4.9	1.2	0.8	3.8	15.0	300
400pDT1	9.8	11.3	16.9	15.9	28.5	48.8	89.2	95.6	98.9	44.8	400
400pDT2	50.5	49.1	52.2	69.1	64.0	46.3	10.4	4.3	1.1	41.8	400
400pDT3	39.7	39.6	30.9	15.1	7.5	5.0	0.4	0.1	0.0	13.4	400
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0	All

AsIS Dimensioning W/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	36	37	37	37	40	40	37	32	28	36	110
110DT2	51	49	48	48	50	48	44			49	110
110DT3	80	74	69	72	70					75	110
120DT1	38	39	40	42	45	44	40	34	29	40	120
120DT2	51	50	52	56	55	51	48			53	120
120DT3	79	73	74	77						75	120
130DT1	34	35	37	39	40	42	38	34	29	36	130
130DT2	46	45	47	48	50	48				48	130
130DT3	64	63	61	64	57					61	130
140pDT1	33			34	33	33	34	35	29	33	140
140pDT2	43	44	43	42	40	39	38			41	140
140pDT3	51	53	52	52	50	49				52	140
300pDT1	42	41	43	46	43	43	41	36	35	39	300
300pDT2	54	52	52	52	50	50	45	40		50	300
300pDT3	64	63	65	63	59					61	300
400pDT1	49	48	49	48	49	45	44	41	36	44	400
400pDT2	58	57	57	56	55	50	51			55	400
400pDT3	69	67	69	72	61					67	400
All	53	53	54	54	49	46	40	35	32	47	All

Renovated Dimensioning W/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	26	27	27	28	29	28	26	25	22	26	110
110DT2	33	32	32	32	33	31	30			32	110
110DT3	39	36	34	35	36					37	110
120DT1	27	28	30	32	32	31	29	27	24	29	120
120DT2	34	34	36	39	37	34	33			36	120
120DT3	41	39	40	43						40	120
130DT1	24	25	27	28	28	29	27	26	23	26	130
130DT2	30	30	32	32	32	31				31	130
130DT3	36	35	37	35	33					35	130
140pDT1	25			24	23	23	25	28	23	25	140
140pDT2	33	33	33	30	27	26	27			29	140
140pDT3	37	36	36	35	32	30				36	140
300pDT1	34	34	34	35	33	34	32	30	30	32	300
300pDT2	43	41	40	39	37	36	34	32		37	300
300pDT3	47	45	43	42	38					43	300
400pDT1	40	39	38	38	37	34	34	33	31	34	400
400pDT2	46	44	43	41	40	36	37			41	400
400pDT3	50	48	46	45	41					46	400
All	36	36	36	37	34	32	30	28	26	33	All

ECONOMY

Basic invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	1,739	1,703	1,692	1,725	1,896	1,913	1,822	1,750	1,554	1,730	110
110DT2	1,920	1,836	1,793	1,834	2,037	2,069	1,976			1,876	110
110DT3	2,102	1,962	1,870	1,933	2,124					2,001	110
120DT1	1,731	1,674	1,668	1,814	2,087	2,116	1,973	1,935	1,566	1,927	120
120DT2	1,907	1,791	1,809	2,000	2,290	2,308	2,175			2,069	120
120DT3	2,119	1,896	1,901	2,102						1,993	120
130DT1	1,577	1,557	1,599	1,851	1,839	1,927	1,836	1,949	1,622	1,823	130
130DT2	1,750	1,698	1,790	2,055	2,193	2,226				2,028	130
130DT3	1,914	1,832	1,869	2,112	2,373					1,978	130
140pDT1	1,118			1,253	1,273	1,256	1,253	1,390	1,241	1,268	140
140pDT2	1,157	1,168	1,172	1,253	1,357	1,406	1,311			1,280	140
140pDT3	1,188	1,195	1,201	1,287	1,413	1,485				1,230	140
300pDT1	1,159	1,175	1,270	1,298	1,416	1,402	1,285	1,241	1,227	1,280	300
300pDT2	1,293	1,267	1,338	1,448	1,540	1,612	1,427	1,491		1,464	300
300pDT3	1,359	1,315	1,411	1,513	1,554					1,399	300
400pDT1	1,257	1,364	1,503	1,647	1,692	1,543	1,586	1,572	1,241	1,536	400
400pDT2	1,406	1,430	1,575	1,787	1,815	1,773	1,791			1,695	400
400pDT3	1,455	1,493	1,628	1,881	1,851					1,606	400
All	1,626	1,531	1,533	1,704	1,880	1,908	1,622	1,590	1,379	1,665	All

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	208	200	194	197	218	212	207	186	138	197	110
110DT2	247	232	222	224	243	233	228			235	110
110DT3	307	288	270	282	306					292	110
120DT1	206	188	181	199	231	235	227	208	143	212	120
120DT2	241	214	206	232	263	261	253			240	120
120DT3	310	275	267	298						285	120
130DT1	170	169	168	206	178	187	210	213	154	197	130
130DT2	202	195	197	228	228	221				217	130
130DT3	240	237	232	261	264					241	130
140pDT1	76			94	87	85	109	92	64	90	140
140pDT2	84	88	91	100	97	100	115			95	140
140pDT3	94	103	113	125	123	122				110	140
300pDT1	90	97	104	111	131	138	120	90	90	108	300
300pDT2	111	111	118	132	149	166	138	123		139	300
300pDT3	127	129	145	155	161					138	300
400pDT1	117	128	144	161	160	146	165	128	84	143	400
400pDT2	140	140	155	189	180	180	190			170	400
400pDT3	158	157	183	237	193					176	400
All	187	170	167	187	196	199	171	144	108	175	All

Energy DKK/(kWh/year)	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	6.64	6.47	6.38	6.53	6.17	5.74	6.02	8.07	7.46	6.53	110
110DT2	4.82	4.75	4.71	4.75	4.94	4.84	5.62			4.79	110
110DT3	2.83	2.83	2.94	2.90	3.41					2.85	110
120DT1	6.24	5.87	5.69	6.07	5.78	5.81	6.54	8.92	8.33	6.38	120
120DT2	4.90	4.56	4.59	4.75	5.06	5.37	5.92			4.91	120
120DT3	3.06	3.01	3.03	3.31						3.13	120
130DT1	5.34	5.51	5.63	5.87	4.93	4.46	6.10	9.03	8.54	6.36	130
130DT2	4.47	4.47	4.60	4.89	4.52	4.64				4.66	130
130DT3	3.27	3.18	3.59	3.51	4.28					3.54	130
140pDT1	2.89			3.08	2.93	2.94	3.78	4.23	3.43	3.49	140
140pDT2	2.79	2.82	3.00	2.92	2.74	2.76	3.88			2.87	140
140pDT3	2.33	2.31	2.49	2.78	2.50	2.36				2.44	140
300pDT1	3.56	4.24	3.96	3.23	4.32	4.63	4.37	4.74	5.61	4.58	300
300pDT2	3.53	3.54	3.29	3.42	3.82	4.28	4.33	5.32		3.89	300
300pDT3	2.70	2.56	2.38	2.64	2.72					2.64	300
400pDT1	4.02	4.25	4.18	4.93	4.52	4.60	5.32	5.21	4.11	4.85	400
400pDT2	4.21	3.87	3.87	4.34	4.06	4.47	4.78			4.17	400
400pDT3	2.99	2.92	2.75	3.09	3.44					3.03	400
All	3.85	3.49	3.42	3.83	4.43	4.92	5.36	6.57	6.18	4.31	All

Annualised Energy DKK/kWh	Interest		4.0 % p.a.									pS	
	p1	p2	p3	p4	p5	p6	p7	p8	p9				
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total			
110DT1	0.34	0.33	0.33	0.33	0.31	0.29	0.31	0.41	0.38	0.33	110		
110DT2	0.24	0.24	0.24	0.24	0.25	0.24	0.28			0.24	110		
110DT3	0.14	0.14	0.14	0.14	0.17					0.14	110		
120DT1	0.32	0.30	0.29	0.31	0.29	0.29	0.33	0.46	0.43	0.32	120		
120DT2	0.25	0.23	0.23	0.24	0.25	0.27	0.30			0.25	120		
120DT3	0.15	0.15	0.15	0.16						0.15	120		
130DT1	0.27	0.28	0.29	0.30	0.25	0.23	0.31	0.46	0.44	0.32	130		
130DT2	0.22	0.22	0.23	0.24	0.23	0.23				0.23	130		
130DT3	0.16	0.16	0.18	0.17	0.21					0.17	130		
140pDT1	0.15			0.16	0.15	0.15	0.19	0.22	0.18	0.18	140		
140pDT2	0.14	0.14	0.15	0.15	0.14	0.14	0.20			0.15	140		
140pDT3	0.12	0.12	0.12	0.14	0.12	0.12				0.12	140		
300pDT1	0.18	0.22	0.20	0.16	0.22	0.23	0.22	0.25	0.29	0.23	300		
300pDT2	0.18	0.18	0.17	0.17	0.19	0.21	0.22	0.27		0.19	300		
300pDT3	0.13	0.13	0.12	0.13	0.13					0.13	300		
400pDT1	0.20	0.22	0.21	0.25	0.23	0.23	0.27	0.27	0.21	0.25	400		
400pDT2	0.21	0.19	0.19	0.22	0.20	0.22	0.24			0.21	400		
400pDT3	0.15	0.14	0.14	0.15	0.17					0.15	400		
All	0.19	0.17	0.17	0.19	0.22	0.25	0.27	0.34	0.32	0.22	All		

Investments per building category

	Basis DKK million	Energy DKK million	Basis Annual investment	Energy DKK million/year	Energy NPV factor	Energy Lifetime
110	40,755	5,170	2,160	259	20.0	40
120	323,972	37,725	17,234	1,897	19.9	40
130	70,048	7,645	3,746	387	19.8	39
140p	115,830	9,252	6,392	470	19.7	39
300p	114,328	10,313	6,169	521	19.8	40
400p	61,672	6,075	3,306	306	19.9	40
All	726,605	76,179	39,006	3,839	19.8	40

Energy cost DKK/m ² per year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS	
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total	
110DT1	10.56	10.18	9.90	10.06	11.06	10.77	10.54	9.52	7.11	10.01	110
110DT2	12.33	11.63	11.18	11.28	12.20	11.74	11.49			11.80	110
110DT3	15.01	14.10	13.29	13.82	15.00					14.31	110
120DT1	10.48	9.56	9.20	10.11	11.68	11.91	11.54	10.63	7.37	10.78	120
120DT2	12.05	10.76	10.34	11.65	13.16	13.08	12.71			12.05	120
120DT3	15.12	13.47	13.06	14.57						13.93	120
130DT1	8.66	8.60	8.55	10.36	9.02	9.55	10.67	10.88	7.93	10.05	130
130DT2	10.11	9.79	9.87	11.42	11.45	11.11				10.89	130
130DT3	11.83	11.68	11.45	12.89	13.07					11.91	130
140pDT1	3.95			4.84	4.49	4.41	5.60	4.81	3.40	4.67	140
140pDT2	4.29	4.52	4.68	5.08	4.97	5.13	5.89			4.88	140
140pDT3	4.75	5.19	5.66	6.21	6.15	6.12				5.50	140
300pDT1	4.63	4.95	5.30	5.61	6.59	6.98	6.10	4.68	4.62	5.54	300
300pDT2	5.59	5.62	5.95	6.60	7.43	8.29	6.92	6.20		6.94	300
300pDT3	6.32	6.41	7.12	7.66	7.97					6.85	300
400pDT1	5.92	6.48	7.25	8.11	8.09	7.41	8.38	6.60	4.36	7.28	400
400pDT2	7.05	7.02	7.75	9.43	8.99	9.01	9.55			8.53	400
400pDT3	7.82	7.81	9.02	11.57	9.60					8.69	400
All	9.33	8.53	8.37	9.34	9.84	10.06	8.73	7.42	5.61	8.80	All

Lifetime Year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total	
110DT1	39	39	39	39	39	39	39	38	38	39	110
110DT2	41	40	40	40	40	40	40			40	110
110DT3	43	43	42	43	43					43	110
120DT1	39	39	39	39	39	39	39	38	38	39	120
120DT2	41	40	40	40	40	40	40			40	120
120DT3	43	43	43	43						43	120
130DT1	39	39	39	40	39	39	39	38	38	39	130
130DT2	40	40	40	41	40	40				40	130
130DT3	42	42	42	42	41					42	130
140pDT1	37			38	37	38	38	37	35	37	140
140pDT2	38	38	38	39	38	38	39			38	140
140pDT3	39	40	41	41	41	40				40	140
300pDT1	38	39	39	40	40	40	39	37	38	39	300
300pDT2	40	40	40	40	41	41	40	40		40	300
300pDT3	41	41	42	42	42					41	300
400pDT1	39	39	40	40	39	39	39	37	37	39	400
400pDT2	40	40	41	41	40	40	40			40	400
400pDT3	41	41	42	43	41					41	400
All	40	40	41	41	40	39	39	38	37	40	All

Asls kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	135.9	129.1	124.0	128.0	122.9	116.0	106.9	91.0	75.7	126.3
120	131.2	132.3	136.0	142.7	133.5	125.5	114.7	95.6	79.3	126.4
130	117.5	119.3	119.6	120.2	116.6	115.5	110.1	95.3	79.6	109.0
140	109.5	114.0	113.5	105.5	93.8	91.6	97.4	97.0	78.7	103.5
300	128.9	125.3	126.6	122.2	114.6	115.1	107.6	89.1	87.1	109.5
400	137.4	131.6	132.0	127.9	119.9	108.8	111.9	98.4	88.2	118.0
All	127.4	125.1	125.4	126.2	120.3	116.9	109.0	93.8	82.6	116.1

Renovated kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	75.0	70.5	68.2	69.4	74.4	73.7	71.5	66.8	57.3	71.3
120	77.3	76.0	80.5	86.4	84.5	81.9	79.4	72.2	62.1	79.8
130	66.8	65.8	69.3	68.1	70.2	71.2	75.6	71.7	61.6	71.0
140	73.3	73.2	71.4	65.8	56.5	56.6	68.3	75.2	60.0	67.2
300	90.3	85.9	81.3	77.7	75.8	79.3	79.1	69.7	70.7	77.8
400	96.7	89.1	84.7	81.1	77.3	72.6	79.9	73.7	67.7	80.0
All	79.0	76.2	76.4	77.3	76.0	76.4	77.0	71.8	65.0	75.6

Saving kWh/m ²	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	60.9	58.6	55.7	58.7	48.5	42.3	35.4	24.2	18.5	55.0
120	53.9	56.2	55.5	56.3	49.0	43.6	35.3	23.4	17.3	46.6
130	50.6	53.4	50.2	52.1	46.4	44.3	34.5	23.6	18.0	38.1
140	36.3	40.8	42.0	39.8	37.3	35.0	29.1	21.8	18.7	36.4
300	38.6	39.4	45.3	44.5	38.8	35.7	28.5	19.4	16.4	31.7
400	40.6	42.5	47.3	46.8	42.6	36.2	32.0	24.8	20.5	38.0
All	48.4	48.9	49.0	48.9	44.2	40.5	32.0	22.0	17.6	40.5

Saving %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	44.8	45.4	45.0	45.8	39.5	36.5	33.1	26.6	24.4	43.5
120	41.1	42.5	40.8	39.4	36.7	34.8	30.7	24.5	21.8	36.9
130	43.1	44.8	42.0	43.4	39.8	38.4	31.4	24.8	22.6	34.9
140	33.1	35.8	37.1	37.7	39.8	38.2	29.9	22.5	23.7	35.1
300	29.9	31.5	35.8	36.4	33.9	31.1	26.5	21.8	18.8	28.9
400	29.6	32.3	35.9	36.6	35.5	33.2	28.6	25.1	23.2	32.2
All	38.0	39.1	39.1	38.8	36.8	34.6	29.3	23.4	21.3	34.9

Gross area m ² *1000	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	6,544	8,643	2,376	749	858	628	968	464	733	21,964
120	10,467	25,948	16,846	12,018	40,852	22,254	17,965	7,508	8,351	162,208
130	1,529	2,434	1,790	2,218	4,910	3,763	12,962	4,135	3,391	37,130
140	6,276	21,491	15,533	8,529	16,585	5,348	9,157	4,540	4,852	92,312
300	4,671	8,809	4,225	3,878	14,721	7,630	20,230	9,771	10,465	84,399
400	2,564	4,566	2,683	3,545	8,952	4,436	6,597	2,562	2,359	38,264
All	32,050	71,890	43,453	30,937	86,877	44,058	67,879	28,981	30,151	436,277

Gross area %	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	29.8	39.3	10.8	3.4	3.9	2.9	4.4	2.1	3.3	5.0
120	6.5	16.0	10.4	7.4	25.2	13.7	11.1	4.6	5.1	37.2
130	4.1	6.6	4.8	6.0	13.2	10.1	34.9	11.1	9.1	8.5
140	6.8	23.3	16.8	9.2	18.0	5.8	9.9	4.9	5.3	21.2
300	5.5	10.4	5.0	4.6	17.4	9.0	24.0	11.6	12.4	19.3
400	6.7	11.9	7.0	9.3	23.4	11.6	17.2	6.7	6.2	8.8
All	7.3	16.5	10.0	7.1	19.9	10.1	15.6	6.6	6.9	100.0

ECONOMY

Basic invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	12,540	15,874	4,260	1,383	1,721	1,247	1,778	813	1,140	40,755
120	19,774	46,621	30,627	24,049	90,854	48,734	35,689	14,532	13,093	323,972
130	2,687	4,201	3,231	4,538	10,226	7,762	23,862	8,063	5,477	70,048
140	7,371	25,485	18,536	10,848	22,441	7,273	11,561	6,310	6,005	115,830
300	6,115	11,257	5,737	5,605	22,137	11,672	26,565	12,321	12,919	114,328
400	3,617	6,608	4,238	6,308	15,956	7,354	10,612	4,047	2,932	61,672
All	52,104	110,047	66,628	52,731	163,334	84,042	110,067	46,085	41,566	726,605

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	1,646	2,065	545	177	207	139	202	86	101	5,170
120	2,541	5,860	3,705	2,921	10,388	5,450	4,103	1,560	1,196	37,725
130	314	504	373	518	1,049	762	2,725	880	520	7,645
140	562	2,121	1,677	965	1,670	518	1,009	419	310	9,252
300	544	1,040	538	528	2,131	1,185	2,495	908	943	10,313
400	371	664	434	680	1,566	724	1,105	331	199	6,075
All	5,979	12,254	7,273	5,790	17,011	8,778	11,640	4,184	3,270	76,179

Energy invest. DKK/m ²	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	252	239	229	236	241	222	209	186	138	235
120	243	226	220	243	254	245	228	208	143	233
130	206	207	208	234	214	202	210	213	153	206
140	90	99	108	113	101	97	110	92	64	100
300	116	118	127	136	145	155	123	93	90	122
400	145	145	162	192	175	163	168	129	84	159
All	187	170	167	187	196	199	171	144	108	175

Energy DKK/kWh	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	6.62	6.13	5.88	5.91	6.03	5.55	5.35	5.04	3.63	6.10
120	6.07	5.65	5.50	6.08	6.20	5.97	5.71	5.19	#VALUE!	5.74
130	5.01	5.05	4.96	5.56	5.09	#VALUE!	#VALUE!	#VALUE!	#VALUE!	4.99
140	2.30	2.53	2.70	2.83	2.58	2.48	2.83	2.49	1.73	2.60
300	2.91	2.95	3.11	3.32	3.62	3.88	3.08	#VALUE!	#VALUE!	3.04
400	3.53	3.55	3.85	4.46	4.27	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3.84
All	4.64	4.24	4.13	4.62	4.93	5.05	4.40	3.85	2.90	4.42

Annualised Energy cost DKK million/year	Interest	4.0 % p.a.	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
			-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110			82.0	103.1	27.3	8.8	10.4	7.1	10.3	4.4	5.2	259
120			126.8	292.4	184.9	145.7	521.4	275.1	208.8	79.9	61.7	1,897
130			15.7	25.1	18.6	25.9	52.7	38.6	138.6	45.0	26.8	387
140			28.6	107.3	84.3	48.5	85.2	26.5	51.8	21.8	16.4	470
300			27.3	52.1	26.8	26.3	106.6	59.3	126.8	46.9	48.6	521
400			18.6	33.2	21.6	33.8	78.6	36.4	56.2	17.1	10.4	306
All			299	613	363	289	855	443	592	215	169	3,839

Energy cost DKK/m ² per year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	12.53	11.93	11.48	11.81	12.10	11.23	10.62	9.54	7.11	11.77
120	12.12	11.27	10.98	12.12	12.76	12.36	11.62	10.64	7.38	11.69
130	10.28	10.32	10.37	11.66	10.73	10.25	10.69	10.89	7.89	10.42
140	4.56	4.99	5.42	5.69	5.14	4.96	5.65	4.81	3.39	5.10
300	5.84	5.91	6.35	6.79	7.24	7.78	6.24	4.80	4.64	6.17
400	7.25	7.27	8.06	9.55	8.78	8.22	8.51	6.66	4.39	7.99
All	9.33	8.53	8.37	9.34	9.84	10.06	8.73	7.42	5.61	8.80

Energy DKK/kWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	0.21	0.20	0.21	0.20	0.25	0.27	0.30	0.39	0.38	0.21
120	0.22	0.20	0.20	0.22	0.26	0.28	0.33	0.45	0.43	0.25
130	0.20	0.19	0.21	0.22	0.23	0.23	0.31	0.46	0.44	0.27
140	0.13	0.12	0.13	0.14	0.14	0.14	0.19	0.22	0.18	0.14
300	0.15	0.15	0.14	0.15	0.19	0.22	0.22	0.25	0.28	0.19
400	0.18	0.17	0.17	0.20	0.21	0.23	0.27	0.27	0.21	0.21
All	0.19	0.17	0.17	0.19	0.22	0.25	0.27	0.34	0.32	0.22

Lifetime year	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	41	41	40	41	40	39	39	38	38	40
120	41	41	41	41	40	40	39	38	38	40
130	41	41	41	41	40	39	39	38	38	39
140	39	39	40	40	39	38	38	37	35	39
300	40	40	41	41	40	40	39	37	38	40
400	40	40	41	41	40	40	39	38	37	40
All	41	40	41	41	40	40	39	38	37	40

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.203	0.232	0.053	0.013	0.026	0.039	0.095	0.041	0.056	0.758
110DT2	0.367	0.502	0.146	0.050	0.070	0.033	0.008	0.001	0.000	1.177
110DT3	0.320	0.381	0.095	0.033	0.009	0.000	0.001	0.000	0.000	0.840
120DT1	0.387	0.568	0.236	0.174	1.808	1.729	1.919	0.713	0.658	8.193
120DT2	0.626	1.722	1.292	1.090	3.433	1.055	0.139	0.004	0.004	9.365
120DT3	0.361	1.141	0.763	0.451	0.214	0.009	0.003	0.000	0.000	2.941
130DT1	0.039	0.042	0.015	0.028	0.203	0.235	1.374	0.392	0.269	2.598
130DT2	0.075	0.121	0.112	0.168	0.316	0.190	0.049	0.002	0.000	1.033
130DT3	0.066	0.127	0.087	0.070	0.053	0.009	0.004	0.000	0.001	0.417
140pDT1	0.037	0.101	0.073	0.082	0.292	0.173	0.753	0.426	0.377	2.313
140pDT2	0.202	0.538	0.333	0.289	0.895	0.272	0.134	0.014	0.004	2.681
140pDT3	0.449	1.809	1.357	0.529	0.369	0.045	0.004	0.000	0.001	4.564
300pDT1	0.068	0.126	0.092	0.076	0.519	0.346	1.781	0.809	0.861	4.678
300pDT2	0.213	0.414	0.178	0.235	0.940	0.488	0.367	0.057	0.027	2.918
300pDT3	0.321	0.563	0.264	0.163	0.228	0.044	0.029	0.004	0.023	1.641
400pDT1	0.033	0.066	0.059	0.071	0.322	0.247	0.662	0.243	0.206	1.909
400pDT2	0.170	0.282	0.175	0.301	0.674	0.214	0.072	0.009	0.002	1.900
400pDT3	0.149	0.253	0.120	0.081	0.078	0.021	0.004	0.000	0.000	0.707
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	0.142	0.165	0.038	0.009	0.018	0.027	0.064	0.031	0.042	0.536
110DT2	0.221	0.300	0.088	0.030	0.042	0.020	0.005	0.000	0.000	0.706
110DT3	0.127	0.144	0.036	0.013	0.004	0.000	0.000	0.000	0.000	0.324
120DT1	0.270	0.406	0.172	0.127	1.253	1.176	1.338	0.539	0.516	5.796
120DT2	0.385	1.077	0.842	0.705	2.105	0.642	0.088	0.003	0.002	5.850
120DT3	0.154	0.490	0.342	0.206	0.093	0.004	0.001	0.000	0.000	1.290
130DT1	0.026	0.029	0.011	0.019	0.139	0.153	0.946	0.295	0.208	1.828
130DT2	0.046	0.074	0.070	0.101	0.183	0.110	0.031	0.001	0.000	0.617
130DT3	0.030	0.057	0.043	0.030	0.023	0.005	0.002	0.000	0.000	0.190
140pDT1	0.027	0.075	0.052	0.056	0.198	0.118	0.533	0.331	0.288	1.678
140pDT2	0.145	0.382	0.237	0.190	0.548	0.162	0.090	0.010	0.003	1.766
140pDT3	0.289	1.116	0.821	0.314	0.192	0.022	0.002	0.000	0.001	2.757
300pDT1	0.053	0.100	0.071	0.055	0.383	0.258	1.335	0.638	0.705	3.599
300pDT2	0.159	0.305	0.124	0.157	0.614	0.321	0.248	0.040	0.018	1.986
300pDT3	0.210	0.351	0.148	0.089	0.118	0.027	0.016	0.003	0.017	0.979
400pDT1	0.026	0.050	0.043	0.053	0.231	0.178	0.480	0.183	0.159	1.403
400pDT2	0.127	0.201	0.119	0.195	0.421	0.132	0.045	0.006	0.001	1.246
400pDT3	0.095	0.156	0.065	0.040	0.040	0.012	0.002	0.000	0.000	0.410
All	2.532	5.478	3.322	2.392	6.604	3.366	5.228	2.081	1.960	32.962

Saving TWh	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	0.060	0.068	0.015	0.004	0.008	0.013	0.030	0.010	0.014	0.221
110DT2	0.146	0.201	0.058	0.020	0.028	0.014	0.003	0.001	0.000	0.471
110DT3	0.192	0.237	0.059	0.021	0.006	0.000	0.001	0.000	0.000	0.516
120DT1	0.116	0.163	0.064	0.047	0.555	0.553	0.581	0.174	0.142	2.397
120DT2	0.241	0.645	0.450	0.385	1.327	0.413	0.051	0.002	0.002	3.515
120DT3	0.207	0.652	0.421	0.244	0.120	0.005	0.002	0.000	0.000	1.651
130DT1	0.012	0.013	0.004	0.009	0.064	0.082	0.428	0.097	0.061	0.770
130DT2	0.030	0.047	0.041	0.067	0.133	0.080	0.017	0.001	0.000	0.416
130DT3	0.035	0.070	0.044	0.040	0.030	0.005	0.002	0.000	0.000	0.227
140pDT1	0.010	0.027	0.021	0.026	0.094	0.054	0.220	0.095	0.089	0.636
140pDT2	0.057	0.157	0.096	0.099	0.347	0.110	0.045	0.004	0.001	0.915
140pDT3	0.160	0.693	0.536	0.214	0.178	0.023	0.002	0.000	0.000	1.807
300pDT1	0.015	0.026	0.021	0.021	0.136	0.088	0.445	0.171	0.156	1.079
300pDT2	0.054	0.109	0.055	0.077	0.326	0.167	0.118	0.017	0.009	0.932
300pDT3	0.111	0.212	0.116	0.074	0.110	0.017	0.014	0.002	0.007	0.662
400pDT1	0.007	0.016	0.016	0.018	0.090	0.069	0.182	0.060	0.048	0.505
400pDT2	0.043	0.081	0.056	0.107	0.253	0.082	0.027	0.003	0.001	0.654
400pDT3	0.054	0.097	0.055	0.041	0.038	0.009	0.002	0.000	0.000	0.296
All	1.552	3.513	2.128	1.513	3.844	1.785	2.170	0.637	0.529	17.671

Basic invest. DKK million	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110DT1	3,340.4	3,723.2	844.0	206.4	432.5	651.2	1,611.5	787.9	1,140.1	12,737.2
110DT2	5,467.1	7,577.7	2,215.3	764.3	1,155.3	591.0	153.0	25.3	0.0	17,949.1
110DT3	3,732.3	4,573.3	1,200.6	411.8	133.1	4.6	13.3	0.0	0.0	10,069.0
120DT1	6,103.8	8,515.6	3,381.7	2,606.9	29,036.6	28,946.6	33,059.7	14,443.9	13,004.6	139,099.3
120DT2	9,356.5	24,579.6	18,140.9	15,740.9	58,516.1	19,628.7	2,588.2	84.1	72.6	148,707.6
120DT3	4,314.2	13,525.6	9,104.2	5,700.9	3,301.0	159.1	40.8	3.6	15.8	36,165.2
130DT1	612.5	641.1	229.4	453.9	3,272.8	3,764.9	22,879.9	8,018.2	5,458.5	45,331.2
130DT2	1,152.6	1,830.8	1,719.5	2,954.3	5,780.2	3,734.3	905.6	39.3	1.2	18,117.8
130DT3	922.1	1,729.5	1,281.7	1,130.1	1,172.9	262.9	76.8	5.4	17.1	6,598.5
140pDT1	429.3	1,130.9	714.0	1,051.3	4,026.4	2,349.7	9,543.1	6,059.7	5,912.3	31,216.6
140pDT2	2,202.6	5,858.4	3,700.7	3,650.9	13,320.5	4,253.2	1,968.3	248.8	81.0	35,284.5
140pDT3	4,738.9	18,495.9	14,120.9	6,145.9	5,093.7	670.1	49.7	1.8	12.0	49,328.9
300pDT1	698.8	1,344.2	1,027.1	797.2	6,354.0	4,139.7	20,905.4	11,119.3	11,981.3	58,367.2
300pDT2	2,213.4	4,394.8	2,028.4	2,903.7	12,898.0	6,938.8	5,315.6	1,089.8	484.9	38,267.4
300pDT3	3,202.7	5,517.8	2,682.0	1,904.5	2,884.5	593.1	344.4	111.5	452.9	17,693.4
400pDT1	317.0	702.3	680.3	926.3	4,318.7	3,336.6	9,332.4	3,849.9	2,893.0	26,356.7
400pDT2	1,820.3	3,206.2	2,207.2	4,376.4	10,392.6	3,639.7	1,226.1	195.0	38.2	27,101.8
400pDT3	1,479.9	2,699.5	1,350.2	1,005.5	1,244.9	377.6	53.0	1.7	0.9	8,213.3
All	52,104.5	110,046.7	66,628.1	52,731.3	163,333.9	84,042.1	110,066.9	46,084.9	41,566.4	726,604.7

Energy invest. DKK million	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	398.9	437.4	97.0	23.6	49.8	72.2	182.9	83.7	101.1	1,446.6
110DT2	702.3	957.3	274.8	93.5	138.0	66.6	17.6	2.7	0.0	2,252.7
110DT3	545.1	670.3	173.4	60.0	19.2	0.7	1.5	0.0	0.0	1,470.2
120DT1	727.0	954.8	366.2	285.9	3,207.9	3,213.8	3,797.3	1,550.1	1,187.0	15,290.0
120DT2	1,181.9	2,941.7	2,062.4	1,827.3	6,720.4	2,215.8	300.6	8.8	7.7	17,266.7
120DT3	631.7	1,963.8	1,276.2	808.2	460.1	20.5	5.4	0.6	1.7	5,168.2
130DT1	65.9	69.5	24.1	50.4	316.4	366.2	2,613.5	875.2	519.0	4,900.4
130DT2	132.7	210.0	189.3	328.3	602.2	370.4	102.3	4.3	0.2	1,939.6
130DT3	115.6	224.1	159.3	139.5	130.3	25.2	9.0	0.6	1.0	804.7
140pDT1	29.2	81.3	57.5	78.7	274.4	159.8	830.5	402.2	305.8	2,219.3
140pDT2	159.2	442.4	287.6	289.9	951.3	302.7	173.4	16.4	4.3	2,627.2
140pDT3	373.9	1,597.7	1,332.3	596.5	444.3	55.0	5.3	0.2	0.2	4,405.4
300pDT1	54.1	110.8	84.0	68.2	586.1	408.0	1,945.9	809.3	874.3	4,940.8
300pDT2	189.8	386.5	179.5	264.4	1,246.0	715.4	512.7	89.8	40.2	3,624.3
300pDT3	299.9	543.0	275.0	195.6	298.6	62.1	36.3	9.2	28.4	1,748.0
400pDT1	29.4	65.9	65.1	90.3	408.1	316.7	968.5	313.2	195.5	2,452.8
400pDT2	181.7	313.5	217.3	462.8	1,028.3	368.7	130.3	17.6	3.5	2,723.8
400pDT3	160.3	284.3	151.9	126.7	130.0	38.2	6.5	0.1	0.1	898.2
All	5,978.6	12,254.2	7,272.9	5,789.9	17,011.5	8,778.1	11,639.7	4,184.2	3,270.0	76,179.0

Energy cost DKK million/year	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110DT1	20.3	22.2	4.9	1.2	2.5	3.7	9.3	4.3	5.2	73.7
110DT2	35.1	48.0	13.8	4.7	6.9	3.4	0.9	0.1	0.0	112.9
110DT3	26.6	32.9	8.5	2.9	0.9	0.0	0.1	0.0	0.0	72.0
120DT1	36.9	48.6	18.7	14.5	162.5	162.9	193.4	79.4	61.2	778.1
120DT2	59.1	147.7	103.8	91.7	336.4	111.2	15.1	0.4	0.4	865.8
120DT3	30.8	96.1	62.5	39.5	22.5	1.0	0.3	0.0	0.1	252.8
130DT1	3.4	3.5	1.2	2.5	16.1	18.7	132.9	44.8	26.7	249.8
130DT2	6.7	10.6	9.5	16.4	30.2	18.6	5.2	0.2	0.0	97.3
130DT3	5.7	11.0	7.9	6.9	6.5	1.3	0.5	0.0	0.1	39.7
140pDT1	1.5	4.2	2.9	4.1	14.2	8.3	42.7	21.0	16.2	115.0
140pDT2	8.2	22.7	14.8	14.8	48.8	15.5	8.8	0.8	0.2	134.7
140pDT3	18.9	80.4	66.6	29.7	22.2	2.8	0.3	0.0	0.0	220.8
300pDT1	2.8	5.7	4.3	3.4	29.6	20.6	99.2	41.9	45.1	252.5
300pDT2	9.6	19.5	9.0	13.2	62.2	35.7	25.8	4.5	2.0	181.5
300pDT3	14.9	26.9	13.5	9.6	14.8	3.1	1.8	0.5	1.5	86.6
400pDT1	1.5	3.3	3.3	4.6	20.6	16.0	49.3	16.2	10.2	125.0
400pDT2	9.1	15.7	10.9	23.1	51.5	18.5	6.5	0.9	0.2	136.4
400pDT3	8.0	14.1	7.5	6.2	6.5	1.9	0.3	0.0	0.0	44.5
All	299.0	613.2	363.5	289.1	854.8	443.1	592.3	215.1	169.0	3,839.1

Interest	4.0	% p.a.
NPV factor	Lifetime	
0.96	1.0	
1.89	2.0	
2.78	3.0	
3.63	4.0	
4.45	5.0	
5.24	6.0	
6.00	7.0	
6.73	8.0	
7.44	9.0	
8.11	10.0	
8.76	11.0	
9.39	12.0	
9.99	13.0	
10.56	14.0	
11.12	15.0	
11.65	16.0	
12.17	17.0	
12.66	18.0	
13.13	19.0	
13.59	20.0	
14.03	21.0	
14.45	22.0	
14.86	23.0	
15.25	24.0	
15.62	25.0	
15.98	26.0	
16.33	27.0	
16.66	28.0	
16.98	29.0	
17.29	30.0	
17.59	31.0	
17.87	32.0	
18.15	33.0	
18.41	34.0	
18.66	35.0	
18.91	36.0	
19.14	37.0	
19.37	38.0	
19.58	39.0	
19.79	40.0	
19.99	41.0	
20.19	42.0	
20.37	43.0	
20.55	44.0	
20.72	45.0	
20.88	46.0	
21.04	47.0	
21.20	48.0	
21.34	49.0	
21.48	50.0	
21.62	51.0	
21.75	52.0	
21.87	53.0	
21.99	54.0	
22.11	55.0	
22.22	56.0	
22.33	57.0	
22.43	58.0	
22.53	59.0	
22.62	60.0	

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016
110DT1	19.67	19.66	19.63	19.62	19.75	19.69	19.62	19.53	19.38
110DT2	20.00	19.95	19.91	19.89	19.95	19.87	19.81		
110DT3	20.46	20.40	20.32	20.38	20.43				
120DT1	19.68	19.64	19.64	19.67	19.74	19.73	19.64	19.53	19.40
120DT2	20.00	19.91	19.88	19.94	19.98	19.92	19.87		
120DT3	20.51	20.44	20.41	20.45					
130DT1	19.60	19.63	19.65	19.85	19.71	19.63	19.66	19.55	19.44
130DT2	19.94	19.90	19.96	20.00	19.96	19.88			
130DT3	20.30	20.31	20.30	20.23	20.18				
140pDT1	19.26			19.37	19.33	19.37	19.47	19.18	18.87
140pDT2	19.47	19.50	19.48	19.60	19.49	19.51	19.61		
140pDT3	19.76	19.88	20.01	20.10	20.03	19.92			
300pDT1	19.41	19.59	19.61	19.79	19.80	19.81	19.62	19.31	19.40
300pDT2	19.83	19.83	19.91	19.98	20.03	20.05	19.89	19.81	
300pDT3	20.13	20.17	20.32	20.29	20.19				
400pDT1	19.72	19.73	19.83	19.80	19.77	19.75	19.64	19.37	19.22
400pDT2	19.90	19.92	20.00	20.04	19.98	19.94	19.93		
400pDT3	20.15	20.13	20.31	20.48	20.15				

Asls	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.889	1.115	0.295	0.096	0.105	0.073	0.103	0.042	0.056	2.774
120	1.373	3.432	2.290	1.715	5.454	2.793	2.060	0.718	0.663	20.499
130	0.180	0.290	0.214	0.267	0.573	0.435	1.427	0.394	0.270	4.048
140	0.687	2.449	1.762	0.900	1.556	0.490	0.892	0.440	0.382	9.558
300	0.602	1.104	0.535	0.474	1.686	0.878	2.177	0.870	0.912	9.238
400	0.352	0.601	0.354	0.454	1.073	0.482	0.738	0.252	0.208	4.515
All	4.083	8.992	5.450	3.905	10.448	5.151	7.397	2.717	2.490	50.633

Renovated	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.491	0.609	0.162	0.052	0.064	0.046	0.069	0.031	0.042	1.567
120	0.809	1.973	1.356	1.039	3.451	1.822	1.427	0.542	0.518	12.937
130	0.102	0.160	0.124	0.151	0.345	0.268	0.979	0.297	0.209	2.635
140	0.460	1.573	1.109	0.561	0.937	0.303	0.625	0.341	0.291	6.200
300	0.422	0.757	0.343	0.301	1.115	0.605	1.600	0.681	0.740	6.564
400	0.248	0.407	0.227	0.288	0.692	0.322	0.527	0.189	0.160	3.060
All	2.532	5.478	3.322	2.392	6.604	3.366	5.228	2.081	1.960	32.962

Saving	p1	p2	p3	p4	p5	p6	p7	p8	p9	pS
TWh	-1890	1890-1929	1930-1949	1950-1959	1960-1972	1973-1978	1979-1998	1999-2006	2007-2016	Total
110	0.398	0.506	0.132	0.044	0.042	0.027	0.034	0.011	0.014	1.208
120	0.564	1.459	0.935	0.676	2.003	0.971	0.633	0.176	0.144	7.562
130	0.077	0.130	0.090	0.116	0.228	0.167	0.447	0.098	0.061	1.413
140	0.228	0.876	0.653	0.339	0.619	0.187	0.267	0.099	0.091	3.358
300	0.180	0.347	0.191	0.173	0.571	0.273	0.577	0.190	0.172	2.674
400	0.104	0.194	0.127	0.166	0.381	0.160	0.211	0.063	0.048	1.455
All	1.552	3.513	2.128	1.513	3.844	1.785	2.170	0.637	0.529	17.671

Energy NPV factor	p1 -1890	p2 1890-1929	p3 1930-1949	p4 1950-1959	p5 1960-1972	p6 1973-1978	p7 1979-1998	p8 1999-2006	p9 2007-2016	pS Total
110	20.07	20.03	19.99	20.02	19.94	19.78	19.64	19.53	19.38	19.99
120	20.03	20.04	20.03	20.05	19.92	19.81	19.66	19.53	19.41	19.89
130	20.00	20.04	20.08	20.04	19.91	19.76	19.67	19.55	19.44	19.76
140	19.65	19.78	19.91	19.88	19.60	19.51	19.50	19.18	18.88	19.67
300	19.95	19.98	20.07	20.07	19.99	19.98	19.68	19.36	19.41	19.81
400	19.99	19.99	20.08	20.09	19.94	19.85	19.68	19.38	19.23	19.86
All	19.99	19.99	20.01	20.03	19.90	19.81	19.65	19.45	19.35	19.84