

GRAUE ENERGIE BERECHNUNG: SANIERUNG JA ODER NEIN? UNTERTEILUNG WÄRMEERZEUGER

Conteggio di Geb. Typ	Spaltenbeschriftungen							
	1955		1970		1985		2000	
Zeilenbeschriftungen	JA	NEIN	JA	NEIN	JA	NEIN	JA	NEIN
Fernwärme	100%	0%	96%	4%	91%	9%	25%	75%
Fensterersatz H	100%	0%	96%	4%	90%	10%	46%	54%
Fensterersatz HM	100%	0%	96%	4%	90%	10%	36%	64%
Fensterersatz K	100%	0%	96%	4%	89%	11%	36%	64%
Fensterersatz M	100%	0%	90%	10%	88%	13%	4%	96%
Gebäudehülle	100%	0%	100%	0%	96%	4%	14%	86%
Glasaufdopplung	100%	0%	98%	2%	98%	2%	38%	63%
Glasersatz 2-IV	100%	0%	98%	2%	93%	7%	0%	100%
Glasersatz 3-IV	100%	0%	95%	5%	90%	10%	49%	51%
Glasersatz Vakuum	100%	0%	94%	6%	88%	13%	6%	94%
Holz Schnitzel	22%	78%	0%	100%	0%	100%	0%	100%
Fensterersatz H	14%	86%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	2%	98%	0%	100%	0%	100%	0%	100%
Fensterersatz K	0%	100%	0%	100%	0%	100%	0%	100%
Fensterersatz M	0%	100%	0%	100%	0%	100%	0%	100%
Gebäudehülle	0%	100%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	92%	8%	0%	100%	0%	100%	2%	98%
Glasersatz 2-IV	54%	46%	0%	100%	0%	100%	0%	100%
Glasersatz 3-IV	25%	75%	0%	100%	0%	100%	0%	100%
Glasersatz Vakuum	9%	91%	1%	99%	0%	100%	2%	98%
Öl-Heizung	100%	0%	100%	0%	100%	0%	92%	8%
Fensterersatz H	100%	0%	100%	0%	100%	0%	94%	6%
Fensterersatz HM	100%	0%	100%	0%	100%	0%	92%	8%
Fensterersatz K	100%	0%	100%	0%	100%	0%	92%	8%
Fensterersatz M	100%	0%	100%	0%	100%	0%	90%	10%
Gebäudehülle	100%	0%	100%	0%	100%	0%	98%	2%
Glasaufdopplung	100%	0%	100%	0%	100%	0%	94%	6%
Glasersatz 2-IV	100%	0%	100%	0%	100%	0%	89%	11%
Glasersatz 3-IV	100%	0%	99%	1%	100%	0%	94%	6%
Glasersatz Vakuum	100%	0%	99%	1%	98%	2%	84%	16%
Solarthermie	83%	17%	7%	93%	0%	100%	0%	100%
Fensterersatz H	88%	13%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz K	81%	19%	0%	100%	0%	100%	0%	100%
Fensterersatz M	67%	33%	0%	100%	0%	100%	0%	100%
Gebäudehülle	55%	45%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	100%	0%	58%	42%	4%	96%	2%	98%
Glasersatz 2-IV	93%	7%	1%	99%	0%	100%	0%	100%
Glasersatz 3-IV	89%	11%	0%	100%	0%	100%	0%	100%
Glasersatz Vakuum	88%	13%	1%	99%	0%	100%	2%	98%
WP E CH Mix	100%	0%	96%	4%	92%	8%	31%	69%
Fensterersatz H	100%	0%	98%	2%	93%	7%	54%	46%
Fensterersatz HM	100%	0%	96%	4%	90%	10%	46%	54%
Fensterersatz K	100%	0%	96%	4%	90%	10%	46%	54%
Fensterersatz M	100%	0%	92%	8%	88%	13%	8%	92%
Gebäudehülle	100%	0%	100%	0%	97%	3%	21%	79%
Glasaufdopplung	100%	0%	98%	2%	100%	0%	44%	56%
Glasersatz 2-IV	100%	0%	98%	2%	96%	4%	0%	100%
Glasersatz 3-IV	100%	0%	95%	5%	92%	8%	55%	45%
Glasersatz Vakuum	100%	0%	94%	6%	88%	13%	9%	91%
WP LW CH Mix	100%	0%	99%	1%	99%	1%	76%	24%
Fensterersatz H	100%	0%	100%	0%	100%	0%	89%	11%
Fensterersatz HM	100%	0%	100%	0%	100%	0%	88%	13%
Fensterersatz K	100%	0%	100%	0%	100%	0%	88%	13%
Fensterersatz M	100%	0%	98%	2%	96%	4%	67%	33%
Gebäudehülle	100%	0%	100%	0%	100%	0%	77%	23%
Glasaufdopplung	100%	0%	99%	1%	100%	0%	83%	17%
Glasersatz 2-IV	100%	0%	100%	0%	100%	0%	46%	54%
Glasersatz 3-IV	100%	0%	98%	2%	100%	0%	90%	10%
Glasersatz Vakuum	100%	0%	99%	1%	95%	5%	59%	41%
WP LW CH Zer	9%	91%	0%	100%	0%	100%	0%	100%
Fensterersatz H	0%	100%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	0%	100%	0%	100%	0%	100%	0%	100%
Fensterersatz K	0%	100%	0%	100%	0%	100%	0%	100%
Fensterersatz M	0%	100%	0%	100%	0%	100%	0%	100%
Gebäudehülle	0%	100%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	81%	19%	0%	100%	0%	100%	2%	98%
Glasersatz 2-IV	0%	100%	0%	100%	0%	100%	0%	100%
Glasersatz 3-IV	0%	100%	0%	100%	0%	100%	0%	100%
Glasersatz Vakuum	0%	100%	1%	99%	0%	100%	2%	98%
Gesamtergebnis	73%	27%	57%	43%	55%	45%	32%	68%

Ort

Davos

Lucarno

Zürich

Typ Ant.Fenster

20%

30%

40%

50%

Geb. Typ

BÜR-1

BÜR-2

EFH-1

EFH-2

EFH-3

MFH-1

MFH-2

MFH-3

Massnahmen

Fensterersatz H

Fensterersatz HM

Fensterersatz K

Fensterersatz M

Gebäudehülle

Glasaufdopplung

Glasersatz 2-IV

Glasersatz 3-IV

Glasersatz Vakuum

Ist-Zustand

THGE BERECHNUNG: SANIERUNG JA ODER NEIN? UNTERTEILUNG WÄRMEEZERGER

Conteggio di Geb. Typ	Spaltenbeschriftungen							
	1955		1970		1985		2000	
Zeilenbeschriftungen	JA	NEIN	JA	NEIN	JA	NEIN	JA	NEIN
Fernwärme	100%	0%	94%	6%	85%	15%	13%	87%
Fensterersatz H	100%	0%	95%	5%	88%	13%	30%	70%
Fensterersatz HM	100%	0%	92%	8%	88%	13%	14%	86%
Fensterersatz K	100%	0%	93%	7%	88%	13%	25%	75%
Fensterersatz M	100%	0%	89%	11%	76%	24%	0%	100%
Gebäudehülle	100%	0%	98%	2%	79%	21%	0%	100%
Glasaufdopplung	100%	0%	98%	2%	96%	4%	23%	77%
Glaserersatz 2-IV	100%	0%	96%	4%	88%	13%	0%	100%
Glaserersatz 3-IV	100%	0%	93%	7%	88%	13%	27%	73%
Glaserersatz Vakuum	100%	0%	91%	9%	77%	23%	2%	98%
Holz Schnitzel	61%	39%	4%	96%	0%	100%	0%	100%
Fensterersatz H	71%	29%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	60%	40%	0%	100%	0%	100%	0%	100%
Fensterersatz K	59%	41%	0%	100%	0%	100%	0%	100%
Fensterersatz M	23%	77%	0%	100%	0%	100%	0%	100%
Gebäudehülle	6%	94%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	100%	0%	33%	67%	0%	100%	2%	98%
Glaserersatz 2-IV	84%	16%	0%	100%	0%	100%	0%	100%
Glaserersatz 3-IV	77%	23%	0%	100%	0%	100%	0%	100%
Glaserersatz Vakuum	65%	35%	1%	99%	0%	100%	2%	98%
Öl-Heizung	100%	0%	100%	0%	100%	0%	93%	7%
Fensterersatz H	100%	0%	100%	0%	100%	0%	96%	4%
Fensterersatz HM	100%	0%	100%	0%	100%	0%	93%	7%
Fensterersatz K	100%	0%	100%	0%	100%	0%	96%	4%
Fensterersatz M	100%	0%	100%	0%	100%	0%	90%	10%
Gebäudehülle	100%	0%	100%	0%	100%	0%	99%	1%
Glasaufdopplung	100%	0%	100%	0%	100%	0%	94%	6%
Glaserersatz 2-IV	100%	0%	100%	0%	100%	0%	89%	11%
Glaserersatz 3-IV	100%	0%	99%	1%	100%	0%	94%	6%
Glaserersatz Vakuum	100%	0%	99%	1%	98%	2%	85%	15%
Solarthermie	83%	17%	8%	92%	1%	99%	0%	100%
Fensterersatz H	88%	13%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz K	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz M	68%	32%	0%	100%	0%	100%	0%	100%
Gebäudehülle	51%	49%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	100%	0%	72%	28%	11%	89%	2%	98%
Glaserersatz 2-IV	95%	5%	2%	98%	0%	100%	0%	100%
Glaserersatz 3-IV	89%	11%	0%	100%	0%	100%	0%	100%
Glaserersatz Vakuum	88%	13%	1%	99%	0%	100%	2%	98%
WP E CH Mix	100%	0%	62%	38%	20%	80%	0%	100%
Fensterersatz H	100%	0%	72%	28%	29%	71%	0%	100%
Fensterersatz HM	100%	0%	63%	38%	11%	89%	0%	100%
Fensterersatz K	100%	0%	63%	38%	15%	85%	0%	100%
Fensterersatz M	98%	2%	31%	69%	0%	100%	0%	100%
Gebäudehülle	99%	1%	47%	53%	1%	99%	0%	100%
Glasaufdopplung	100%	0%	90%	10%	81%	19%	2%	98%
Glaserersatz 2-IV	100%	0%	75%	25%	14%	86%	0%	100%
Glaserersatz 3-IV	100%	0%	71%	29%	26%	74%	0%	100%
Glaserersatz Vakuum	100%	0%	49%	51%	3%	97%	2%	98%
WP LW CH Mix	100%	0%	89%	11%	69%	31%	1%	99%
Fensterersatz H	100%	0%	90%	10%	81%	19%	1%	99%
Fensterersatz HM	100%	0%	88%	13%	75%	25%	0%	100%
Fensterersatz K	100%	0%	88%	13%	75%	25%	0%	100%
Fensterersatz M	100%	0%	79%	21%	43%	57%	0%	100%
Gebäudehülle	100%	0%	94%	6%	52%	48%	0%	100%
Glasaufdopplung	100%	0%	97%	3%	91%	9%	4%	96%
Glaserersatz 2-IV	100%	0%	90%	10%	75%	25%	0%	100%
Glaserersatz 3-IV	100%	0%	89%	11%	81%	19%	1%	99%
Glaserersatz Vakuum	100%	0%	84%	16%	51%	49%	2%	98%
WP LW CH Zer	83%	17%	8%	92%	1%	99%	0%	100%
Fensterersatz H	88%	13%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz K	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz M	68%	32%	0%	100%	0%	100%	0%	100%
Gebäudehülle	50%	50%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	100%	0%	71%	29%	11%	89%	2%	98%
Glaserersatz 2-IV	94%	6%	1%	99%	0%	100%	0%	100%
Glaserersatz 3-IV	88%	13%	0%	100%	0%	100%	0%	100%
Glaserersatz Vakuum	88%	13%	1%	99%	0%	100%	2%	98%
Gesamtergebnis	89%	11%	52%	48%	40%	60%	16%	84%

Ort
Davos
Lugano
Zürich

Typ Ant.Fenster
20%
30%
40%
50%

Geb. Typ
BÜR-1
BÜR-2
EFH-1
EFH-2
EFH-3
MFH-1
MFH-2
MFH-3

Massnahmen
Fensterersatz H
Fensterersatz HM
Fensterersatz K
Fensterersatz M
Gebäudehülle
Glasaufdopplung
Glaserersatz 2-IV
Glaserersatz 3-IV
Glaserersatz Vakuum
Ist-Zustand

GE+THGE BERECHNUNG: SANIERUNG JA ODER NEIN? UNTERTEILUNG WÄRMEERZEUGER

Conteggio di Geb. Typ	Spaltenbeschriftungen							
	1955		1970		1985		2000	
Zeilenbeschriftungen	JA	NEIN	JA	NEIN	JA	NEIN	JA	NEIN
Fernwärme	100%	0%	96%	4%	91%	9%	25%	75%
Fensterersatz H	100%	0%	96%	4%	90%	10%	46%	54%
Fensterersatz HM	100%	0%	96%	4%	90%	10%	36%	64%
Fensterersatz K	100%	0%	96%	4%	89%	11%	36%	64%
Fensterersatz M	100%	0%	90%	10%	88%	13%	4%	96%
Gebäudehülle	100%	0%	100%	0%	96%	4%	14%	86%
Glasaufdopplung	100%	0%	98%	2%	98%	2%	38%	63%
Glaserersatz 2-IV	100%	0%	98%	2%	93%	7%	0%	100%
Glaserersatz 3-IV	100%	0%	95%	5%	90%	10%	49%	51%
Glaserersatz Vakuum	100%	0%	94%	6%	88%	13%	6%	94%
Holz Schnitzel	61%	39%	4%	96%	0%	100%	0%	100%
Fensterersatz H	71%	29%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	60%	40%	0%	100%	0%	100%	0%	100%
Fensterersatz K	59%	41%	0%	100%	0%	100%	0%	100%
Fensterersatz M	23%	77%	0%	100%	0%	100%	0%	100%
Gebäudehülle	6%	94%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	100%	0%	33%	67%	0%	100%	2%	98%
Glaserersatz 2-IV	84%	16%	0%	100%	0%	100%	0%	100%
Glaserersatz 3-IV	77%	23%	0%	100%	0%	100%	0%	100%
Glaserersatz Vakuum	65%	35%	1%	99%	0%	100%	2%	98%
Öl-Heizung	100%	0%	100%	0%	100%	0%	93%	7%
Fensterersatz H	100%	0%	100%	0%	100%	0%	96%	4%
Fensterersatz HM	100%	0%	100%	0%	100%	0%	93%	7%
Fensterersatz K	100%	0%	100%	0%	100%	0%	96%	4%
Fensterersatz M	100%	0%	100%	0%	100%	0%	90%	10%
Gebäudehülle	100%	0%	100%	0%	100%	0%	99%	1%
Glasaufdopplung	100%	0%	100%	0%	100%	0%	94%	6%
Glaserersatz 2-IV	100%	0%	100%	0%	100%	0%	89%	11%
Glaserersatz 3-IV	100%	0%	99%	1%	100%	0%	94%	6%
Glaserersatz Vakuum	100%	0%	99%	1%	98%	2%	85%	15%
Solarthermie	83%	17%	8%	92%	1%	99%	0%	100%
Fensterersatz H	88%	13%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz K	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz M	68%	32%	0%	100%	0%	100%	0%	100%
Gebäudehülle	55%	45%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	100%	0%	72%	28%	11%	89%	2%	98%
Glaserersatz 2-IV	95%	5%	2%	98%	0%	100%	0%	100%
Glaserersatz 3-IV	89%	11%	0%	100%	0%	100%	0%	100%
Glaserersatz Vakuum	88%	13%	1%	99%	0%	100%	2%	98%
WP E CH Mix	100%	0%	96%	4%	92%	8%	31%	69%
Fensterersatz H	100%	0%	98%	2%	93%	7%	54%	46%
Fensterersatz HM	100%	0%	96%	4%	90%	10%	46%	54%
Fensterersatz K	100%	0%	96%	4%	90%	10%	46%	54%
Fensterersatz M	100%	0%	92%	8%	88%	13%	8%	92%
Gebäudehülle	100%	0%	100%	0%	97%	3%	21%	79%
Glasaufdopplung	100%	0%	98%	2%	100%	0%	44%	56%
Glaserersatz 2-IV	100%	0%	98%	2%	96%	4%	0%	100%
Glaserersatz 3-IV	100%	0%	95%	5%	92%	8%	55%	45%
Glaserersatz Vakuum	100%	0%	94%	6%	88%	13%	9%	91%
WP LW CH Mix	100%	0%	99%	1%	99%	1%	76%	24%
Fensterersatz H	100%	0%	100%	0%	100%	0%	89%	11%
Fensterersatz HM	100%	0%	100%	0%	100%	0%	88%	13%
Fensterersatz K	100%	0%	100%	0%	100%	0%	88%	13%
Fensterersatz M	100%	0%	98%	2%	96%	4%	67%	33%
Gebäudehülle	100%	0%	100%	0%	100%	0%	77%	23%
Glasaufdopplung	100%	0%	99%	1%	100%	0%	83%	17%
Glaserersatz 2-IV	100%	0%	100%	0%	100%	0%	46%	54%
Glaserersatz 3-IV	100%	0%	98%	2%	100%	0%	90%	10%
Glaserersatz Vakuum	100%	0%	99%	1%	95%	5%	59%	41%
WP LW CH Zer	83%	17%	8%	92%	1%	99%	0%	100%
Fensterersatz H	88%	13%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz K	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz M	68%	32%	0%	100%	0%	100%	0%	100%
Gebäudehülle	50%	50%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	100%	0%	71%	29%	11%	89%	2%	98%
Glaserersatz 2-IV	94%	6%	1%	99%	0%	100%	0%	100%
Glaserersatz 3-IV	88%	13%	0%	100%	0%	100%	0%	100%
Glaserersatz Vakuum	88%	13%	1%	99%	0%	100%	2%	98%
Gesamtergebnis	90%	10%	59%	41%	55%	45%	32%	68%

Ort

Davos

Lugano

Zürich

Typ Ant.Fenster

20%

30%

40%

50%

Geb. Typ

BÜR-1

BÜR-2

EFH-1

EFH-2

EFH-3

MFH-1

MFH-2

MFH-3

Massnahmen

Fensterersatz H

Fensterersatz HM

Fensterersatz K

Fensterersatz M

Gebäudehülle

Glasaufdopplung

Glaserersatz 2-IV

Glaserersatz 3-IV

Glaserersatz Vakuum

Ist-Zustand

GRAUE ENERGIE BERECHNUNG: SANIERUNG JA ODER NEIN? UNTERTEILUNG MASSNAHMEN

Conteggio di Geb. Typ	Spaltenbeschriftungen							
	1955		1970		1985		2000	
Zeilenbeschriftungen	JA	NEIN	JA	NEIN	JA	NEIN	JA	NEIN
Fensterersatz H	72%	28%	56%	44%	55%	45%	40%	60%
Fernwärme	100%	0%	96%	4%	90%	10%	46%	54%
Holz Schnitzel	14%	86%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	94%	6%
Solarthermie	88%	13%	0%	100%	0%	100%	0%	100%
WPE CH Mix	100%	0%	98%	2%	93%	7%	54%	46%
WPLW CH Mix	100%	0%	100%	0%	100%	0%	89%	11%
WPLW CH Zer	0%	100%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	69%	31%	56%	44%	54%	46%	37%	63%
Fernwärme	100%	0%	96%	4%	90%	10%	36%	64%
Holz Schnitzel	2%	98%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	92%	8%
Solarthermie	84%	16%	0%	100%	0%	100%	0%	100%
WPE CH Mix	100%	0%	96%	4%	90%	10%	46%	54%
WPLW CH Mix	100%	0%	100%	0%	100%	0%	88%	13%
WPLW CH Zer	0%	100%	0%	100%	0%	100%	0%	100%
Fensterersatz K	69%	31%	56%	44%	54%	46%	37%	63%
Fernwärme	100%	0%	96%	4%	89%	11%	36%	64%
Holz Schnitzel	0%	100%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	92%	8%
Solarthermie	81%	19%	0%	100%	0%	100%	0%	100%
WPE CH Mix	100%	0%	96%	4%	90%	10%	46%	54%
WPLW CH Mix	100%	0%	100%	0%	100%	0%	88%	13%
WPLW CH Zer	0%	100%	0%	100%	0%	100%	0%	100%
Fensterersatz M	67%	33%	54%	46%	53%	47%	24%	76%
Fernwärme	100%	0%	90%	10%	88%	13%	4%	96%
Holz Schnitzel	0%	100%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	90%	10%
Solarthermie	67%	33%	0%	100%	0%	100%	0%	100%
WPE CH Mix	100%	0%	92%	8%	88%	13%	8%	92%
WPLW CH Mix	100%	0%	98%	2%	96%	4%	67%	33%
WPLW CH Zer	0%	100%	0%	100%	0%	100%	0%	100%
Gebäudehülle	65%	35%	57%	43%	56%	44%	30%	70%
Fernwärme	100%	0%	100%	0%	96%	4%	14%	86%
Holz Schnitzel	0%	100%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	98%	2%
Solarthermie	55%	45%	0%	100%	0%	100%	0%	100%
WPE CH Mix	100%	0%	100%	0%	97%	3%	21%	79%
WPLW CH Mix	100%	0%	100%	0%	100%	0%	77%	23%
WPLW CH Zer	0%	100%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	96%	4%	65%	35%	57%	43%	38%	62%
Fernwärme	100%	0%	98%	2%	98%	2%	38%	63%
Holz Schnitzel	92%	8%	0%	100%	0%	100%	2%	98%
Öl-Heizung	100%	0%	100%	0%	100%	0%	94%	6%
Solarthermie	100%	0%	58%	42%	4%	96%	2%	98%
WPE CH Mix	100%	0%	98%	2%	100%	0%	44%	56%
WPLW CH Mix	100%	0%	99%	1%	100%	0%	83%	17%
WPLW CH Zer	81%	19%	0%	100%	0%	100%	2%	98%
Glasersatz 2-IV	78%	22%	57%	43%	56%	44%	19%	81%
Fernwärme	100%	0%	98%	2%	93%	7%	0%	100%
Holz Schnitzel	54%	46%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	89%	11%
Solarthermie	93%	7%	1%	99%	0%	100%	0%	100%
WPE CH Mix	100%	0%	98%	2%	96%	4%	0%	100%
WPLW CH Mix	100%	0%	100%	0%	100%	0%	46%	54%
WPLW CH Zer	0%	100%	0%	100%	0%	100%	0%	100%
Glasersatz 3-IV	73%	27%	55%	45%	54%	46%	41%	59%
Fernwärme	100%	0%	95%	5%	90%	10%	49%	51%
Holz Schnitzel	25%	75%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	99%	1%	100%	0%	94%	6%
Solarthermie	89%	11%	0%	100%	0%	100%	0%	100%
WPE CH Mix	100%	0%	95%	5%	92%	8%	55%	45%
WPLW CH Mix	100%	0%	98%	2%	100%	0%	90%	10%
WPLW CH Zer	0%	100%	0%	100%	0%	100%	0%	100%
Glasersatz Vakuum	71%	29%	56%	44%	53%	47%	24%	76%
Fernwärme	100%	0%	94%	6%	88%	13%	6%	94%
Holz Schnitzel	9%	91%	1%	99%	0%	100%	2%	98%
Öl-Heizung	100%	0%	99%	1%	98%	2%	84%	16%
Solarthermie	88%	13%	1%	99%	0%	100%	2%	98%
WPE CH Mix	100%	0%	94%	6%	88%	13%	9%	91%
WPLW CH Mix	100%	0%	99%	1%	95%	5%	59%	41%
WPLW CH Zer	0%	100%	1%	99%	0%	100%	2%	98%
Gesamtergebnis	73%	27%	57%	43%	55%	45%	32%	68%

Ort

Typ Ant.Fenster

Geb. Typ

Massnahmen

THGE BERECHNUNG: SANIERUNG JA ODER NEIN? UNTERTEILUNG MASSNAHMEN

Conteggio di Geb. Typ	Spaltenbeschriftungen								Ort
	1955		1970		1985		2000		
Zeilenbeschriftungen	JA	NEIN	JA	NEIN	JA	NEIN	JA	NEIN	
Fensterersatz H	92%	8%	51%	49%	43%	57%	18%	82%	Davos
Fernwärme	100%	0%	95%	5%	88%	13%	30%	70%	Lugano
Holz Schnitzel	71%	29%	0%	100%	0%	100%	0%	100%	Zürich
Öl-Heizung	100%	0%	100%	0%	100%	0%	96%	4%	
Solarthermie	88%	13%	0%	100%	0%	100%	0%	100%	
WP E CH Mix	100%	0%	72%	28%	29%	71%	0%	100%	
WP LW CH Mix	100%	0%	90%	10%	81%	19%	1%	99%	
WP LW CH Zer	88%	13%	0%	100%	0%	100%	0%	100%	
Fensterersatz HM	90%	10%	49%	51%	39%	61%	15%	85%	
Fernwärme	100%	0%	92%	8%	88%	13%	14%	86%	
Holz Schnitzel	60%	40%	0%	100%	0%	100%	0%	100%	
Öl-Heizung	100%	0%	100%	0%	100%	0%	93%	7%	
Solarthermie	84%	16%	0%	100%	0%	100%	0%	100%	
WP E CH Mix	100%	0%	63%	38%	11%	89%	0%	100%	
WP LW CH Mix	100%	0%	88%	13%	75%	25%	0%	100%	
WP LW CH Zer	84%	16%	0%	100%	0%	100%	0%	100%	
Fensterersatz K	90%	10%	49%	51%	40%	60%	17%	83%	
Fernwärme	100%	0%	93%	7%	88%	13%	25%	75%	
Holz Schnitzel	59%	41%	0%	100%	0%	100%	0%	100%	
Öl-Heizung	100%	0%	100%	0%	100%	0%	96%	4%	
Solarthermie	84%	16%	0%	100%	0%	100%	0%	100%	
WP E CH Mix	100%	0%	63%	38%	15%	85%	0%	100%	
WP LW CH Mix	100%	0%	88%	13%	75%	25%	0%	100%	
WP LW CH Zer	84%	16%	0%	100%	0%	100%	0%	100%	
Fensterersatz M	79%	21%	43%	57%	31%	69%	13%	87%	
Fernwärme	100%	0%	89%	11%	76%	24%	0%	100%	
Holz Schnitzel	23%	77%	0%	100%	0%	100%	0%	100%	
Öl-Heizung	100%	0%	100%	0%	100%	0%	90%	10%	
Solarthermie	68%	32%	0%	100%	0%	100%	0%	100%	
WP E CH Mix	98%	2%	31%	69%	0%	100%	0%	100%	
WP LW CH Mix	100%	0%	79%	21%	43%	57%	0%	100%	
WP LW CH Zer	68%	32%	0%	100%	0%	100%	0%	100%	
Gebäudehülle	72%	28%	48%	52%	33%	67%	14%	86%	
Fernwärme	100%	0%	98%	2%	79%	21%	0%	100%	
Holz Schnitzel	6%	94%	0%	100%	0%	100%	0%	100%	
Öl-Heizung	100%	0%	100%	0%	100%	0%	99%	1%	
Solarthermie	51%	49%	0%	100%	0%	100%	0%	100%	
WP E CH Mix	99%	1%	47%	53%	1%	99%	0%	100%	
WP LW CH Mix	100%	0%	94%	6%	52%	48%	0%	100%	
WP LW CH Zer	50%	50%	0%	100%	0%	100%	0%	100%	
Glasaufdopplung	100%	0%	80%	20%	56%	44%	18%	82%	
Fernwärme	100%	0%	98%	2%	96%	4%	23%	77%	
Holz Schnitzel	100%	0%	33%	67%	0%	100%	2%	98%	
Öl-Heizung	100%	0%	100%	0%	100%	0%	94%	6%	
Solarthermie	100%	0%	72%	28%	11%	89%	2%	98%	
WP E CH Mix	100%	0%	90%	10%	81%	19%	2%	98%	
WP LW CH Mix	100%	0%	97%	3%	91%	9%	4%	96%	
WP LW CH Zer	100%	0%	71%	29%	11%	89%	2%	98%	
Glasersatz 2-IV	96%	4%	52%	48%	39%	61%	13%	87%	
Fernwärme	100%	0%	96%	4%	88%	13%	0%	100%	
Holz Schnitzel	84%	16%	0%	100%	0%	100%	0%	100%	
Öl-Heizung	100%	0%	100%	0%	100%	0%	89%	11%	
Solarthermie	95%	5%	2%	98%	0%	100%	0%	100%	
WP E CH Mix	100%	0%	75%	25%	14%	86%	0%	100%	
WP LW CH Mix	100%	0%	90%	10%	75%	25%	0%	100%	
WP LW CH Zer	94%	6%	1%	99%	0%	100%	0%	100%	
Glasersatz 3-IV	93%	7%	50%	50%	42%	58%	17%	83%	
Fernwärme	100%	0%	93%	7%	88%	13%	27%	73%	
Holz Schnitzel	77%	23%	0%	100%	0%	100%	0%	100%	
Öl-Heizung	100%	0%	99%	1%	100%	0%	94%	6%	
Solarthermie	89%	11%	0%	100%	0%	100%	0%	100%	
WP E CH Mix	100%	0%	71%	29%	26%	74%	0%	100%	
WP LW CH Mix	100%	0%	89%	11%	81%	19%	1%	99%	
WP LW CH Zer	88%	13%	0%	100%	0%	100%	0%	100%	
Glasersatz Vakuum	91%	9%	47%	53%	33%	67%	14%	86%	
Fernwärme	100%	0%	91%	9%	77%	23%	2%	98%	
Holz Schnitzel	65%	35%	1%	99%	0%	100%	2%	98%	
Öl-Heizung	100%	0%	99%	1%	98%	2%	85%	15%	
Solarthermie	88%	13%	1%	99%	0%	100%	2%	98%	
WP E CH Mix	100%	0%	49%	51%	3%	97%	2%	98%	
WP LW CH Mix	100%	0%	84%	16%	51%	49%	2%	98%	
WP LW CH Zer	88%	13%	1%	99%	0%	100%	2%	98%	
Gesamtergebnis	89%	11%	52%	48%	40%	60%	16%	84%	

Davos
Lugano
Zürich

20%
30%
40%
50%

BÜR-1
BÜR-2
EFH-1
EFH-2
EFH-3
MFH-1
MFH-2
MFH-3

Fensterersatz H
Fensterersatz HM
Fensterersatz K
Fensterersatz M
Gebäudehülle
Glasaufdopplung
Glasersatz 2-IV
Glasersatz 3-IV
Glasersatz Vakuum
Ist-Zustand

GE+THGE BERECHNUNG: SANIERUNG JA ODER NEIN? UNTERTEILUNG MASSNAHMEN

Conteggio di Geb. Typ	Spaltenbeschriftungen							
	1955		1970		1985		2000	
Zeilenbeschriftungen	JA	NEIN	JA	NEIN	JA	NEIN	JA	NEIN
Fensterersatz H	92%	8%	56%	44%	55%	45%	41%	59%
Fernwärme	100%	0%	96%	4%	90%	10%	46%	54%
Holz Schnitzel	71%	29%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	96%	4%
Solarthermie	88%	13%	0%	100%	0%	100%	0%	100%
WP E CH Mix	100%	0%	98%	2%	93%	7%	54%	46%
WP LW CH Mix	100%	0%	100%	0%	100%	0%	89%	11%
WP LW CH Zer	88%	13%	0%	100%	0%	100%	0%	100%
Fensterersatz HM	90%	10%	56%	44%	54%	46%	38%	63%
Fernwärme	100%	0%	96%	4%	90%	10%	36%	64%
Holz Schnitzel	60%	40%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	93%	7%
Solarthermie	84%	16%	0%	100%	0%	100%	0%	100%
WP E CH Mix	100%	0%	96%	4%	90%	10%	46%	54%
WP LW CH Mix	100%	0%	100%	0%	100%	0%	88%	13%
WP LW CH Zer	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz K	90%	10%	56%	44%	54%	46%	38%	62%
Fernwärme	100%	0%	96%	4%	89%	11%	36%	64%
Holz Schnitzel	59%	41%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	96%	4%
Solarthermie	84%	16%	0%	100%	0%	100%	0%	100%
WP E CH Mix	100%	0%	96%	4%	90%	10%	46%	54%
WP LW CH Mix	100%	0%	100%	0%	100%	0%	88%	13%
WP LW CH Zer	84%	16%	0%	100%	0%	100%	0%	100%
Fensterersatz M	80%	20%	54%	46%	53%	47%	24%	76%
Fernwärme	100%	0%	90%	10%	88%	13%	4%	96%
Holz Schnitzel	23%	77%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	90%	10%
Solarthermie	68%	32%	0%	100%	0%	100%	0%	100%
WP E CH Mix	100%	0%	92%	8%	88%	13%	8%	92%
WP LW CH Mix	100%	0%	98%	2%	96%	4%	67%	33%
WP LW CH Zer	68%	32%	0%	100%	0%	100%	0%	100%
Gebäudehülle	73%	27%	57%	43%	56%	44%	30%	70%
Fernwärme	100%	0%	100%	0%	96%	4%	14%	86%
Holz Schnitzel	6%	94%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	99%	1%
Solarthermie	55%	45%	0%	100%	0%	100%	0%	100%
WP E CH Mix	100%	0%	100%	0%	97%	3%	21%	79%
WP LW CH Mix	100%	0%	100%	0%	100%	0%	77%	23%
WP LW CH Zer	50%	50%	0%	100%	0%	100%	0%	100%
Glasaufdopplung	100%	0%	82%	18%	60%	40%	38%	62%
Fernwärme	100%	0%	98%	2%	98%	2%	38%	63%
Holz Schnitzel	100%	0%	33%	67%	0%	100%	2%	98%
Öl-Heizung	100%	0%	100%	0%	100%	0%	94%	6%
Solarthermie	100%	0%	72%	28%	11%	89%	2%	98%
WP E CH Mix	100%	0%	98%	2%	100%	0%	44%	56%
WP LW CH Mix	100%	0%	99%	1%	100%	0%	83%	17%
WP LW CH Zer	100%	0%	71%	29%	11%	89%	2%	98%
Glasersatz 2-IV	96%	4%	57%	43%	56%	44%	19%	81%
Fernwärme	100%	0%	98%	2%	93%	7%	0%	100%
Holz Schnitzel	84%	16%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	100%	0%	100%	0%	89%	11%
Solarthermie	95%	5%	2%	98%	0%	100%	0%	100%
WP E CH Mix	100%	0%	98%	2%	96%	4%	0%	100%
WP LW CH Mix	100%	0%	100%	0%	100%	0%	46%	54%
WP LW CH Zer	94%	6%	1%	99%	0%	100%	0%	100%
Glasersatz 3-IV	93%	7%	55%	45%	54%	46%	41%	59%
Fernwärme	100%	0%	95%	5%	90%	10%	49%	51%
Holz Schnitzel	77%	23%	0%	100%	0%	100%	0%	100%
Öl-Heizung	100%	0%	99%	1%	100%	0%	94%	6%
Solarthermie	89%	11%	0%	100%	0%	100%	0%	100%
WP E CH Mix	100%	0%	95%	5%	92%	8%	55%	45%
WP LW CH Mix	100%	0%	98%	2%	100%	0%	90%	10%
WP LW CH Zer	88%	13%	0%	100%	0%	100%	0%	100%
Glasersatz Vakuum	91%	9%	56%	44%	53%	47%	24%	76%
Fernwärme	100%	0%	94%	6%	88%	13%	6%	94%
Holz Schnitzel	65%	35%	1%	99%	0%	100%	2%	98%
Öl-Heizung	100%	0%	99%	1%	98%	2%	85%	15%
Solarthermie	88%	13%	1%	99%	0%	100%	2%	98%
WP E CH Mix	100%	0%	94%	6%	88%	13%	9%	91%
WP LW CH Mix	100%	0%	99%	1%	95%	5%	59%	41%
WP LW CH Zer	88%	13%	1%	99%	0%	100%	2%	98%
Gesamtergebnis	90%	10%	59%	41%	55%	45%	32%	68%

Ort
Davos
Lugano
Zürich

Typ Ant.Fenster
20%
30%
40%
50%

Geb. Typ
BÜR-1
BÜR-2
EFH-1
EFH-2
EFH-3
MFH-1
MFH-2
MFH-3

Massnahmen
Fensterersatz H
Fensterersatz HM
Fensterersatz K
Fensterersatz M
Gebäudehülle
Glasaufdopplung
Glasersatz 2-IV
Glasersatz 3-IV
Glasersatz Vakuum
Ist-Zustand

ENERGIEBERECHNUNG: Δ ENERGIE VERBRAUCH IST-ZUSTAND ORT

Mittelwert von Δ % Verbi Spaltenbeschriftungen									
Zeilenbeschriftungen	Fensterersa	Fensterersa	Fensterersa	Fensterersa	Gebäudehül	Glasaufdop	Glasersatz 2	Glasersatz 3	Glasersatz
	tz H	tz HM	tz K	tz M	le	plung	IV	IV	Vakuum
BÜR-1	-32%	-32%	-33%	-30%	-78%	-21%	-22%	-28%	-23%
Davos	-27%	-26%	-28%	-25%	-80%	-16%	-19%	-23%	-18%
1955	-37%	-36%	-37%	-36%	-92%	-30%	-31%	-32%	-30%
1970	-24%	-24%	-25%	-23%	-86%	-15%	-17%	-19%	-16%
1985	-26%	-25%	-27%	-24%	-81%	-15%	-17%	-21%	-16%
2000	-22%	-20%	-23%	-18%	-60%	-5%	-9%	-18%	-9%
Lugano	-38%	-37%	-38%	-35%	-80%	-24%	-25%	-33%	-28%
1955	-50%	-50%	-50%	-49%	-93%	-42%	-43%	-46%	-44%
1970	-36%	-36%	-37%	-34%	-86%	-25%	-26%	-31%	-27%
1985	-35%	-34%	-36%	-32%	-80%	-21%	-22%	-30%	-24%
2000	-30%	-28%	-31%	-25%	-61%	-9%	-10%	-25%	-16%
Zürich	-32%	-32%	-33%	-30%	-73%	-21%	-21%	-28%	-24%
1955	-45%	-45%	-45%	-44%	-89%	-38%	-38%	-41%	-39%
1970	-32%	-31%	-32%	-30%	-80%	-22%	-22%	-27%	-24%
1985	-29%	-28%	-30%	-27%	-72%	-18%	-18%	-25%	-21%
2000	-23%	-22%	-24%	-20%	-51%	-7%	-7%	-20%	-13%
BÜR-2	-36%	-36%	-37%	-34%	-78%	-24%	-24%	-32%	-27%
Davos	-32%	-31%	-32%	-29%	-80%	-20%	-22%	-27%	-21%
1955	-42%	-42%	-43%	-41%	-93%	-35%	-36%	-37%	-35%
1970	-29%	-29%	-30%	-28%	-86%	-19%	-21%	-24%	-20%
1985	-30%	-30%	-31%	-28%	-80%	-18%	-20%	-25%	-20%
2000	-24%	-23%	-25%	-20%	-60%	-6%	-10%	-20%	-10%
Lugano	-42%	-41%	-43%	-40%	-80%	-28%	-28%	-37%	-31%
1955	-55%	-55%	-55%	-54%	-93%	-47%	-47%	-50%	-48%
1970	-41%	-40%	-42%	-39%	-87%	-29%	-29%	-35%	-31%
1985	-40%	-39%	-40%	-37%	-80%	-24%	-25%	-34%	-28%
2000	-33%	-31%	-34%	-28%	-61%	-11%	-11%	-28%	-18%
Zürich	-36%	-35%	-36%	-34%	-73%	-24%	-23%	-31%	-27%
1955	-49%	-49%	-50%	-48%	-89%	-42%	-42%	-45%	-43%
1970	-35%	-35%	-36%	-34%	-80%	-25%	-25%	-31%	-27%
1985	-32%	-31%	-33%	-30%	-71%	-20%	-19%	-28%	-23%
2000	-26%	-24%	-27%	-22%	-51%	-8%	-7%	-22%	-15%
EFH-1	-43%	-42%	-44%	-40%	-79%	-28%	-28%	-37%	-32%
Davos	-38%	-37%	-39%	-35%	-83%	-23%	-25%	-32%	-26%
1955	-47%	-46%	-47%	-46%	-93%	-38%	-39%	-41%	-39%
1970	-35%	-35%	-36%	-33%	-88%	-23%	-25%	-29%	-25%
1985	-36%	-35%	-37%	-33%	-83%	-21%	-23%	-30%	-24%
2000	-34%	-32%	-35%	-28%	-67%	-10%	-12%	-28%	-16%
Lugano	-48%	-47%	-49%	-45%	-80%	-32%	-31%	-43%	-36%
1955	-60%	-60%	-61%	-59%	-93%	-51%	-51%	-55%	-53%
1970	-48%	-47%	-49%	-46%	-86%	-34%	-34%	-42%	-37%
1985	-45%	-44%	-46%	-42%	-80%	-28%	-28%	-40%	-33%
2000	-39%	-37%	-40%	-34%	-63%	-13%	-12%	-34%	-22%
Zürich	-42%	-41%	-43%	-40%	-75%	-28%	-27%	-37%	-32%
1955	-55%	-54%	-55%	-53%	-89%	-46%	-46%	-50%	-47%
1970	-42%	-42%	-43%	-41%	-81%	-30%	-30%	-37%	-33%
1985	-39%	-38%	-40%	-37%	-74%	-24%	-24%	-34%	-29%
2000	-32%	-30%	-33%	-28%	-54%	-11%	-9%	-28%	-19%
EFH-2	-41%	-40%	-42%	-38%	-77%	-27%	-26%	-36%	-31%
Davos	-36%	-35%	-37%	-33%	-80%	-22%	-23%	-31%	-25%
1955	-45%	-45%	-45%	-44%	-92%	-37%	-38%	-40%	-38%
1970	-34%	-33%	-34%	-32%	-85%	-22%	-23%	-28%	-24%
1985	-34%	-33%	-35%	-31%	-80%	-20%	-21%	-29%	-23%
2000	-31%	-29%	-32%	-26%	-62%	-9%	-10%	-26%	-15%
Lugano	-46%	-45%	-47%	-44%	-78%	-31%	-30%	-41%	-35%
1955	-59%	-59%	-60%	-58%	-91%	-50%	-50%	-54%	-52%
1970	-46%	-46%	-47%	-45%	-84%	-33%	-33%	-41%	-36%
1985	-43%	-42%	-44%	-41%	-77%	-27%	-26%	-38%	-32%
2000	-36%	-35%	-38%	-32%	-59%	-12%	-11%	-32%	-21%
Zürich	-41%	-40%	-41%	-39%	-73%	-27%	-26%	-36%	-31%
1955	-53%	-53%	-54%	-52%	-88%	-45%	-44%	-49%	-46%
1970	-41%	-41%	-42%	-40%	-79%	-29%	-29%	-36%	-32%
1985	-38%	-37%	-39%	-36%	-71%	-23%	-23%	-33%	-28%
2000	-30%	-29%	-32%	-27%	-52%	-10%	-9%	-27%	-18%

EFH-3	-45%	-44%	-46%	-42%	-78%	-29%	-29%	-40%	-34%
Davos	-41%	-40%	-42%	-38%	-81%	-25%	-26%	-35%	-29%
1955	-50%	-49%	-50%	-49%	-93%	-41%	-42%	-44%	-42%
1970	-39%	-38%	-39%	-37%	-87%	-26%	-27%	-32%	-28%
1985	-39%	-38%	-40%	-36%	-81%	-23%	-24%	-33%	-26%
2000	-35%	-33%	-37%	-30%	-64%	-10%	-12%	-30%	-18%
Lugano	-50%	-49%	-51%	-48%	-79%	-33%	-33%	-45%	-39%
1955	-63%	-63%	-64%	-62%	-92%	-54%	-54%	-58%	-56%
1970	-51%	-50%	-51%	-49%	-85%	-37%	-36%	-45%	-40%
1985	-48%	-47%	-48%	-45%	-78%	-30%	-29%	-42%	-35%
2000	-40%	-38%	-42%	-35%	-61%	-13%	-12%	-35%	-23%
Zürich	-44%	-44%	-45%	-42%	-73%	-29%	-28%	-39%	-34%
1955	-57%	-57%	-58%	-56%	-89%	-48%	-48%	-52%	-50%
1970	-45%	-45%	-46%	-44%	-80%	-32%	-32%	-40%	-36%
1985	-41%	-41%	-42%	-39%	-72%	-26%	-25%	-36%	-31%
2000	-33%	-32%	-34%	-29%	-53%	-11%	-9%	-29%	-20%
MFH-1	-41%	-41%	-42%	-39%	-79%	-27%	-27%	-36%	-31%
Davos	-37%	-36%	-38%	-34%	-82%	-23%	-24%	-31%	-25%
1955	-46%	-45%	-46%	-45%	-93%	-38%	-38%	-41%	-39%
1970	-35%	-34%	-35%	-33%	-87%	-23%	-24%	-29%	-24%
1985	-35%	-34%	-36%	-32%	-82%	-21%	-22%	-30%	-24%
2000	-31%	-30%	-33%	-27%	-64%	-9%	-11%	-27%	-16%
Lugano	-47%	-46%	-48%	-44%	-80%	-31%	-31%	-42%	-36%
1955	-60%	-59%	-60%	-59%	-93%	-51%	-51%	-55%	-52%
1970	-47%	-46%	-47%	-45%	-86%	-33%	-33%	-41%	-36%
1985	-44%	-43%	-45%	-41%	-80%	-27%	-27%	-38%	-32%
2000	-37%	-36%	-39%	-33%	-62%	-12%	-11%	-33%	-22%
Zürich	-41%	-40%	-41%	-39%	-74%	-27%	-26%	-36%	-31%
1955	-54%	-54%	-54%	-53%	-89%	-45%	-45%	-49%	-47%
1970	-41%	-41%	-42%	-40%	-81%	-30%	-29%	-36%	-33%
1985	-38%	-37%	-38%	-35%	-73%	-23%	-23%	-33%	-28%
2000	-30%	-29%	-31%	-26%	-53%	-10%	-8%	-26%	-18%
MFH-2	-37%	-36%	-38%	-34%	-78%	-24%	-25%	-32%	-27%
Davos	-32%	-31%	-33%	-30%	-81%	-20%	-22%	-27%	-21%
1955	-42%	-42%	-42%	-41%	-93%	-35%	-36%	-37%	-35%
1970	-29%	-29%	-30%	-28%	-88%	-19%	-21%	-24%	-19%
1985	-31%	-30%	-32%	-28%	-82%	-18%	-21%	-26%	-20%
2000	-26%	-24%	-27%	-21%	-63%	-7%	-11%	-21%	-11%
Lugano	-42%	-42%	-43%	-40%	-81%	-28%	-28%	-37%	-31%
1955	-55%	-55%	-56%	-54%	-93%	-47%	-47%	-50%	-48%
1970	-41%	-41%	-42%	-39%	-87%	-29%	-29%	-35%	-31%
1985	-40%	-39%	-41%	-37%	-81%	-24%	-25%	-34%	-28%
2000	-34%	-32%	-35%	-29%	-62%	-11%	-11%	-29%	-18%
Zürich	-36%	-35%	-37%	-34%	-73%	-24%	-24%	-32%	-27%
1955	-50%	-49%	-50%	-49%	-89%	-42%	-42%	-45%	-43%
1970	-36%	-35%	-36%	-34%	-80%	-25%	-25%	-31%	-28%
1985	-33%	-32%	-34%	-31%	-72%	-20%	-20%	-28%	-24%
2000	-26%	-25%	-27%	-22%	-51%	-8%	-8%	-22%	-15%
MFH-3	-28%	-27%	-29%	-26%	-79%	-17%	-20%	-23%	-18%
Davos	-22%	-21%	-23%	-20%	-82%	-13%	-18%	-17%	-12%
1955	-34%	-34%	-34%	-33%	-94%	-28%	-30%	-29%	-27%
1970	-18%	-17%	-18%	-16%	-89%	-9%	-14%	-12%	-8%
1985	-21%	-21%	-22%	-19%	-83%	-12%	-17%	-16%	-11%
2000	-15%	-14%	-17%	-11%	-62%	-2%	-9%	-11%	-1%
Lugano	-34%	-33%	-35%	-31%	-83%	-21%	-24%	-29%	-23%
1955	-47%	-46%	-47%	-46%	-95%	-39%	-41%	-42%	-40%
1970	-31%	-30%	-32%	-29%	-89%	-20%	-22%	-25%	-21%
1985	-32%	-31%	-33%	-29%	-84%	-19%	-22%	-26%	-20%
2000	-27%	-25%	-28%	-22%	-65%	-7%	-10%	-22%	-11%
Zürich	-28%	-27%	-29%	-26%	-73%	-18%	-19%	-24%	-20%
1955	-41%	-41%	-41%	-40%	-89%	-34%	-35%	-37%	-35%
1970	-26%	-26%	-27%	-25%	-80%	-18%	-19%	-22%	-19%
1985	-25%	-25%	-26%	-23%	-72%	-15%	-16%	-21%	-17%
2000	-20%	-19%	-21%	-17%	-50%	-6%	-7%	-17%	-10%
Gesamtergebnis	-38%	-37%	-39%	-36%	-78%	-24%	-25%	-33%	-28%
Min. Wert	-15%	-14%	-17%	-11%	-50%	-2%	-7%	-11%	-1%
90. Perzentil	-26%	-25%	-27%	-22%	-60%	-9%	-9%	-21%	-15%
80. Perzentil	-30%	-29%	-31%	-27%	-63%	-11%	-11%	-25%	-18%
50. Perzentil	-36%	-36%	-38%	-34%	-81%	-23%	-24%	-32%	-27%
Max. Wert	-63%	-63%	-64%	-62%	-95%	-54%	-54%	-58%	-56%

ENERGIEBERECHNUNG: Δ ENERGIE VERBRAUCH IST-ZUSTAND JAHR

Mittelwert von Δ % Verbi Spaltenbeschriftungen									
Zeilenbeschriftungen	Fensterersa	Fensterersa	Fensterersa	Fensterersa	Gebäudehül	Glasaufdop	Glasersatz 2	Glasersatz 3	Glasersatz
	tz H	tz HM	tz K	tz M	le	plung	IV	IV	Vakuum
1955	-50%	-49%	-50%	-49%	-92%	-42%	-42%	-45%	-43%
Davos	-43%	-42%	-43%	-42%	-93%	-35%	-36%	-38%	-36%
BÜR-1	-37%	-36%	-37%	-36%	-92%	-30%	-31%	-32%	-30%
BÜR-2	-42%	-42%	-43%	-41%	-93%	-35%	-36%	-37%	-35%
EFH-1	-47%	-46%	-47%	-46%	-93%	-38%	-39%	-41%	-39%
EFH-2	-45%	-45%	-45%	-44%	-92%	-37%	-38%	-40%	-38%
EFH-3	-50%	-49%	-50%	-49%	-93%	-41%	-42%	-44%	-42%
MFH-1	-46%	-45%	-46%	-45%	-93%	-38%	-38%	-41%	-39%
MFH-2	-42%	-42%	-42%	-41%	-93%	-35%	-36%	-37%	-35%
MFH-3	-34%	-34%	-34%	-33%	-94%	-28%	-30%	-29%	-27%
Lugano	-56%	-56%	-57%	-55%	-93%	-48%	-48%	-51%	-49%
BÜR-1	-50%	-50%	-50%	-49%	-93%	-42%	-43%	-46%	-44%
BÜR-2	-55%	-55%	-55%	-54%	-93%	-47%	-47%	-50%	-48%
EFH-1	-60%	-60%	-61%	-59%	-93%	-51%	-51%	-55%	-53%
EFH-2	-59%	-59%	-60%	-58%	-91%	-50%	-50%	-54%	-52%
EFH-3	-63%	-63%	-64%	-62%	-92%	-54%	-54%	-58%	-56%
MFH-1	-60%	-59%	-60%	-59%	-93%	-51%	-51%	-55%	-52%
MFH-2	-55%	-55%	-56%	-54%	-93%	-47%	-47%	-50%	-48%
MFH-3	-47%	-46%	-47%	-46%	-95%	-39%	-41%	-42%	-40%
Zürich	-50%	-50%	-51%	-50%	-89%	-42%	-43%	-46%	-44%
BÜR-1	-45%	-45%	-45%	-44%	-89%	-38%	-38%	-41%	-39%
BÜR-2	-49%	-49%	-50%	-48%	-89%	-42%	-42%	-45%	-43%
EFH-1	-55%	-54%	-55%	-53%	-89%	-46%	-46%	-50%	-47%
EFH-2	-53%	-53%	-54%	-52%	-88%	-45%	-44%	-49%	-46%
EFH-3	-57%	-57%	-58%	-56%	-89%	-48%	-48%	-52%	-50%
MFH-1	-54%	-54%	-54%	-53%	-89%	-45%	-45%	-49%	-47%
MFH-2	-50%	-49%	-50%	-49%	-89%	-42%	-42%	-45%	-43%
MFH-3	-41%	-41%	-41%	-40%	-89%	-34%	-35%	-37%	-35%
1970	-37%	-36%	-37%	-35%	-84%	-25%	-26%	-31%	-27%
Davos	-30%	-30%	-31%	-29%	-87%	-20%	-21%	-25%	-21%
BÜR-1	-24%	-24%	-25%	-23%	-86%	-15%	-17%	-19%	-16%
BÜR-2	-29%	-29%	-30%	-28%	-86%	-19%	-21%	-24%	-20%
EFH-1	-35%	-35%	-36%	-33%	-88%	-23%	-25%	-29%	-25%
EFH-2	-34%	-33%	-34%	-32%	-85%	-22%	-23%	-28%	-24%
EFH-3	-39%	-38%	-39%	-37%	-87%	-26%	-27%	-32%	-28%
MFH-1	-35%	-34%	-35%	-33%	-87%	-23%	-24%	-29%	-24%
MFH-2	-29%	-29%	-30%	-28%	-88%	-19%	-21%	-24%	-19%
MFH-3	-18%	-17%	-18%	-16%	-89%	-9%	-14%	-12%	-8%
Lugano	-43%	-42%	-43%	-41%	-86%	-30%	-30%	-37%	-33%
BÜR-1	-36%	-36%	-37%	-34%	-86%	-25%	-26%	-31%	-27%
BÜR-2	-41%	-40%	-42%	-39%	-87%	-29%	-29%	-35%	-31%
EFH-1	-48%	-47%	-49%	-46%	-86%	-34%	-34%	-42%	-37%
EFH-2	-46%	-46%	-47%	-45%	-84%	-33%	-33%	-41%	-36%
EFH-3	-51%	-50%	-51%	-49%	-85%	-37%	-36%	-45%	-40%
MFH-1	-47%	-46%	-47%	-45%	-86%	-33%	-33%	-41%	-36%
MFH-2	-41%	-41%	-42%	-39%	-87%	-29%	-29%	-35%	-31%
MFH-3	-31%	-30%	-32%	-29%	-89%	-20%	-22%	-25%	-21%
Zürich	-37%	-37%	-38%	-36%	-80%	-26%	-26%	-33%	-29%
BÜR-1	-32%	-31%	-32%	-30%	-80%	-22%	-22%	-27%	-24%
BÜR-2	-35%	-35%	-36%	-34%	-80%	-25%	-25%	-31%	-27%
EFH-1	-42%	-42%	-43%	-41%	-81%	-30%	-30%	-37%	-33%
EFH-2	-41%	-41%	-42%	-40%	-79%	-29%	-29%	-36%	-32%
EFH-3	-45%	-45%	-46%	-44%	-80%	-32%	-32%	-40%	-36%
MFH-1	-41%	-41%	-42%	-40%	-81%	-30%	-29%	-36%	-33%
MFH-2	-36%	-35%	-36%	-34%	-80%	-25%	-25%	-31%	-28%
MFH-3	-26%	-26%	-27%	-25%	-80%	-18%	-19%	-22%	-19%

1985	-36%	-35%	-36%	-33%	-78%	-22%	-22%	-30%	-25%
Davos	-32%	-31%	-33%	-29%	-82%	-19%	-21%	-26%	-20%
BÜR-1	-26%	-25%	-27%	-24%	-81%	-15%	-17%	-21%	-16%
BÜR-2	-30%	-30%	-31%	-28%	-80%	-18%	-20%	-25%	-20%
EFH-1	-36%	-35%	-37%	-33%	-83%	-21%	-23%	-30%	-24%
EFH-2	-34%	-33%	-35%	-31%	-80%	-20%	-21%	-29%	-23%
EFH-3	-39%	-38%	-40%	-36%	-81%	-23%	-24%	-33%	-26%
MFH-1	-35%	-34%	-36%	-32%	-82%	-21%	-22%	-30%	-24%
MFH-2	-31%	-30%	-32%	-28%	-82%	-18%	-21%	-26%	-20%
MFH-3	-21%	-21%	-22%	-19%	-83%	-12%	-17%	-16%	-11%
Lugano	-41%	-40%	-42%	-38%	-80%	-25%	-25%	-35%	-29%
BÜR-1	-35%	-34%	-36%	-32%	-80%	-21%	-22%	-30%	-24%
BÜR-2	-40%	-39%	-40%	-37%	-80%	-24%	-25%	-34%	-28%
EFH-1	-45%	-44%	-46%	-42%	-80%	-28%	-28%	-40%	-33%
EFH-2	-43%	-42%	-44%	-41%	-77%	-27%	-26%	-38%	-32%
EFH-3	-48%	-47%	-48%	-45%	-78%	-30%	-29%	-42%	-35%
MFH-1	-44%	-43%	-45%	-41%	-80%	-27%	-27%	-38%	-32%
MFH-2	-40%	-39%	-41%	-37%	-81%	-24%	-25%	-34%	-28%
MFH-3	-32%	-31%	-33%	-29%	-84%	-19%	-22%	-26%	-20%
Zürich	-34%	-34%	-35%	-32%	-72%	-21%	-21%	-30%	-25%
BÜR-1	-29%	-28%	-30%	-27%	-72%	-18%	-18%	-25%	-21%
BÜR-2	-32%	-31%	-33%	-30%	-71%	-20%	-19%	-28%	-23%
EFH-1	-39%	-38%	-40%	-37%	-74%	-24%	-24%	-34%	-29%
EFH-2	-38%	-37%	-39%	-36%	-71%	-23%	-23%	-33%	-28%
EFH-3	-41%	-41%	-42%	-39%	-72%	-26%	-25%	-36%	-31%
MFH-1	-38%	-37%	-38%	-35%	-73%	-23%	-23%	-33%	-28%
MFH-2	-33%	-32%	-34%	-31%	-72%	-20%	-20%	-28%	-24%
MFH-3	-25%	-25%	-26%	-23%	-72%	-15%	-16%	-21%	-17%
2000	-30%	-28%	-31%	-25%	-59%	-9%	-10%	-25%	-16%
Davos	-27%	-26%	-29%	-22%	-63%	-7%	-10%	-22%	-12%
BÜR-1	-22%	-20%	-23%	-18%	-60%	-5%	-9%	-18%	-9%
BÜR-2	-24%	-23%	-25%	-20%	-60%	-6%	-10%	-20%	-10%
EFH-1	-34%	-32%	-35%	-28%	-67%	-10%	-12%	-28%	-16%
EFH-2	-31%	-29%	-32%	-26%	-62%	-9%	-10%	-26%	-15%
EFH-3	-35%	-33%	-37%	-30%	-64%	-10%	-12%	-30%	-18%
MFH-1	-31%	-30%	-33%	-27%	-64%	-9%	-11%	-27%	-16%
MFH-2	-26%	-24%	-27%	-21%	-63%	-7%	-11%	-21%	-11%
MFH-3	-15%	-14%	-17%	-11%	-62%	-2%	-9%	-11%	-1%
Lugano	-34%	-33%	-36%	-30%	-62%	-11%	-11%	-30%	-19%
BÜR-1	-30%	-28%	-31%	-25%	-61%	-9%	-10%	-25%	-16%
BÜR-2	-33%	-31%	-34%	-28%	-61%	-11%	-11%	-28%	-18%
EFH-1	-39%	-37%	-40%	-34%	-63%	-13%	-12%	-34%	-22%
EFH-2	-36%	-35%	-38%	-32%	-59%	-12%	-11%	-32%	-21%
EFH-3	-40%	-38%	-42%	-35%	-61%	-13%	-12%	-35%	-23%
MFH-1	-37%	-36%	-39%	-33%	-62%	-12%	-11%	-33%	-22%
MFH-2	-34%	-32%	-35%	-29%	-62%	-11%	-11%	-29%	-18%
MFH-3	-27%	-25%	-28%	-22%	-65%	-7%	-10%	-22%	-11%
Zürich	-28%	-26%	-29%	-24%	-52%	-9%	-8%	-24%	-16%
BÜR-1	-23%	-22%	-24%	-20%	-51%	-7%	-7%	-20%	-13%
BÜR-2	-26%	-24%	-27%	-22%	-51%	-8%	-7%	-22%	-15%
EFH-1	-32%	-30%	-33%	-28%	-54%	-11%	-9%	-28%	-19%
EFH-2	-30%	-29%	-32%	-27%	-52%	-10%	-9%	-27%	-18%
EFH-3	-33%	-32%	-34%	-29%	-53%	-11%	-9%	-29%	-20%
MFH-1	-30%	-29%	-31%	-26%	-53%	-10%	-8%	-26%	-18%
MFH-2	-26%	-25%	-27%	-22%	-51%	-8%	-8%	-22%	-15%
MFH-3	-20%	-19%	-21%	-17%	-50%	-6%	-7%	-17%	-10%
Gesamtergebnis	-38%	-37%	-39%	-36%	-78%	-24%	-25%	-33%	-28%
Min. Wert	-15%	-14%	-17%	-11%	-50%	-2%	-7%	-11%	-1%
90. Perzentil	-26%	-25%	-27%	-22%	-60%	-9%	-9%	-21%	-15%
80. Perzentil	-30%	-29%	-31%	-27%	-63%	-11%	-11%	-25%	-18%
50. Perzentil	-36%	-36%	-37%	-34%	-81%	-23%	-24%	-32%	-26%
Max. Wert	-63%	-63%	-64%	-62%	-95%	-54%	-54%	-58%	-56%