

**APPENDIX 8H. CORE STEEL PERCENTAGES OF LCC CONSUMER
CHOICE MODEL SELECTED TRANSFORMERS**

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8H.1 Percentage Steels of LCC-Selected Transformers by Design Line

The following tables present the frequency with which each of the core steels were purchased by the LCC at each of the trial standard levels. Each of these percentages represents 10,000 consumer choices, based on the reference LCC scenario input conditions. These percentages represent frequency of selection, not a percentage of total mass of core steel selected. For a discussion on the different types of core steel used in DOE's analysis, see TSD Chapter 5.

Table 8H.1 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 1

DL1*	M6*	M4*	M3*	M2*	ZD*	SA*
Base	26%	0%	72%	0%	0%	2%
TSL1	0%	0%	98%	0%	0%	2%
TSL2	0%	0%	98%	0%	0%	2%
TSL3	0%	0%	98%	0%	0%	2%
TSL4	0%	0%	98%	0%	0%	2%
TSL5	0%	0%	96%	0%	0%	4%
TSL6	0%	0%	0%	0%	0%	100%
TSLA	0%	0%	96%	0%	0%	4%
TSLB	0%	0%	98%	0%	0%	2%
TSLC	0%	0%	98%	0%	0%	2%
TSLD	0%	0%	98%	0%	0%	2%

Table 8H.2 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 2

DL2*	M6*	M4*	M3*	M2*	ZD*	SA*
Base	28%	35%	35%	1%	0%	0%
TSL1	0%	28%	70%	1%	0%	0%
TSL2	0%	19%	80%	2%	0%	0%
TSL3	0%	4%	93%	3%	0%	0%
TSL4	0%	2%	89%	9%	0%	0%
TSL5	0%	0%	76%	24%	0%	0%
TSL6	0%	0%	0%	0%	0%	100%
TSLA	0%	0%	85%	15%	0%	0%
TSLB	0%	0%	87%	12%	0%	0%
TSLC	0%	0%	87%	12%	0%	0%
TSLD	0%	2%	89%	9%	0%	0%

Table 8H.3 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 3

DL3*	M6*	M4*	M3*	M2*	ZD*	SA*
Base	40%	0%	11%	48%	0%	1%
TSL1	23%	0%	23%	54%	0%	1%
TSL2	0%	0%	26%	73%	0%	1%
TSL3	0%	0%	24%	75%	0%	1%
TSL4	0%	0%	0%	98%	0%	2%
TSL5	0%	0%	0%	0%	0%	100%
TSL6	0%	0%	0%	0%	0%	100%
TSLA	0%	0%	0%	98%	0%	2%
TSLB	0%	0%	16%	84%	0%	1%
TSLC	0%	0%	16%	84%	0%	1%
TSLD	0%	0%	24%	75%	0%	1%

Table 8H.4 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 4

DL4*	M6*	M4*	M3*	M2*	ZD*	SA*
Base	27%	34%	15%	11%	0%	13%
TSL1	0%	50%	23%	14%	0%	13%
TSL2	0%	1%	20%	65%	0%	14%
TSL3	0%	0%	1%	4%	0%	95%
TSL4	0%	0%	1%	4%	0%	95%
TSL5	0%	0%	0%	0%	0%	100%
TSL6	0%	0%	0%	0%	0%	100%
TSLA	0%	0%	2%	49%	0%	49%
TSLB	0%	1%	20%	65%	0%	14%
TSLC	0%	1%	20%	65%	0%	14%
TSLD	0%	1%	20%	65%	0%	14%

Table 8H.5 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 5

DL5*	M6*	M4*	M3*	M2*	ZD*	SA*
Base	0%	37%	17%	38%	4%	5%
TSL1	0%	22%	31%	39%	4%	5%
TSL2	0%	10%	28%	53%	4%	5%
TSL3	0%	0%	27%	63%	5%	5%
TSL4	0%	0%	0%	87%	8%	5%
TSL5	0%	0%	0%	0%	0%	100%
TSL6	0%	0%	0%	0%	0%	100%
TSLA	0%	0%	0%	16%	0%	84%
TSLB	0%	0%	0%	87%	8%	5%
TSLC	0%	0%	27%	63%	5%	5%
TSLD	0%	0%	0%	87%	8%	5%

Table 8H.6 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 9

DL9*	M6*	M5*	M4*	M3*	HO*
Base	37%	23%	0%	39%	1%
TSL1	1%	58%	0%	39%	1%
TSL2	0%	31%	0%	67%	1%
TSL3	0%	0%	0%	93%	7%
TSL4	0%	0%	0%	14%	86%
TSL5	0%	0%	0%	0%	100%
TSL6	0%	0%	0%	0%	100%

Table 8H.7 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 10

DL10*	M6*	M5*	M4*	M3*	HO*
Base	67%	0%	4%	13%	16%
TSL1	59%	0%	11%	13%	16%
TSL2	5%	0%	55%	20%	20%
TSL3	0%	0%	3%	38%	60%
TSL4	0%	0%	0%	36%	64%
TSL5	0%	0%	0%	99%	1%
TSL6	0%	0%	0%	99%	1%

Table 8H.8 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 11

DL11*	M6*	M5*	M4*	M3*	HO*
Base	55%	0%	15%	24%	7%
TSL1	0%	0%	31%	61%	7%
TSL2	0%	0%	12%	75%	13%
TSL3	0%	0%	0%	55%	45%
TSL4	0%	0%	0%	29%	71%
TSL5	0%	0%	0%	98%	2%
TSL6	0%	0%	0%	98%	2%

Table 8H.9 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 12

DL12*	M6*	M5*	M4*	M3*	HO*
Base	41%	0%	7%	20%	32%
TSL1	36%	0%	11%	21%	32%
TSL2	0%	0%	25%	43%	32%
TSL3	0%	0%	8%	52%	40%
TSL4	0%	0%	0%	7%	93%
TSL5	0%	0%	0%	0%	100%
TSL6	0%	0%	0%	0%	100%

Table 8H.10 Percentage of Core Steels Selected at Each TSL by LCC for Design Line 13

DL13*	M6*	M5*	M4*	M3*	HO*
Base	43%	0%	5%	17%	36%
TSL1	42%	0%	5%	17%	36%
TSL2	7%	0%	26%	31%	36%
TSL3	0%	0%	0%	37%	63%
TSL4	0%	0%	0%	1%	99%
TSL5	0%	0%	0%	0%	100%
TSL6	0%	0%	0%	0%	100%