

# Light-Duty Automotive Technology and Fuel Economy Trends: 1975 through 2007

## Appendix N: Fuel Economy and Ton MPG by Marketing Group, Vehicle Type and Size

Compliance and Innovative Strategies Division  
and  
Transportation and Climate Division

Office of Transportation and Air Quality  
U.S. Environmental Protection Agency

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Table N-1

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for GM

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	16.7	15.3	13.3	22.8	13.9	12.2		14.4			11.8	12.2	22.3		14.0
1976	18.4	16.8	14.3	23.2	14.8	13.6		14.0			13.1	12.7	25.0		14.3
1977	18.7	17.5	17.1	25.4	15.4	17.0		15.0			14.9	13.6	25.0		14.8
1978	20.1	20.0	17.5	24.3	19.1	16.4		14.1			14.2	13.2	26.2		14.3
1979	20.7	20.0	17.5	23.8	19.2	16.0		14.7			11.8	11.0	24.8		14.6
1980	23.9	21.9	19.2		20.8	19.4		16.7			14.9	14.0	26.5		17.4
1981	25.7	23.1	21.0		21.9	20.4		18.0			16.8	15.3	29.2		18.9
1982	26.7	24.5	21.0	28.4	22.4	19.0		17.9	14.3		19.5	18.9	34.0	26.2	19.5
1983	27.3	23.8	20.3	29.1	22.2	19.5		18.9	14.7		21.7	17.6	34.5	25.3	19.0
1984	27.8	24.0	20.7	30.5	23.7	19.9		18.2	13.9		21.5	16.9	32.4	24.2	18.5
1985	29.0	25.0	22.9	30.7	24.5	21.0		18.8	14.1		21.6	16.9	31.4	24.9	17.8
1986	29.7	26.1	24.6	30.5	25.7	22.0		19.4	14.7		20.5	16.8	29.3	24.6	18.2
1987	30.1	26.6	24.5	31.6	25.7	22.3		19.8	17.0		20.6	17.0		25.2	18.0
1988	30.4	27.2	25.1	31.3	27.8	22.9		20.2	17.3		20.9	16.6		25.9	18.2
1989	29.8	27.3	24.6	31.0	27.0	22.4		20.3	18.0	27.2	21.1	16.7		25.1	18.3
1990	30.4	26.6	24.1	30.3	26.7	22.8		20.7	18.1	27.6	20.0	16.7		24.9	18.1
1991	30.2	26.0	23.8	30.1	26.1	22.8		20.8	18.3	27.7	21.1	16.6		25.0	18.5
1992	29.9	25.2	23.7	29.5	26.1	22.7		20.9	18.1	27.3	20.4	15.8		24.3	18.6
1993	30.3	25.7	24.2	30.5	26.4	22.5		20.7	17.9	27.5	21.6	16.4		24.2	18.8
1994	30.1	25.7	24.4	30.7	26.2	22.9		21.0	18.1	25.5	21.0	16.5		25.0	18.5
1995	30.2	25.6	24.7	33.4	26.1	22.8		20.7	17.5	28.8	21.0	16.6		25.7	18.0
1996	30.4	26.3	24.6	33.5	26.7	23.2		22.2	18.3	28.2	21.3	17.4		26.1	19.2
1997	31.0	26.2	25.3	33.5				22.5	19.0	28.1	21.1	17.6		25.2	19.0
1998	30.7	26.2	24.9	33.9				22.9	18.2	23.1	21.4	17.5		25.9	18.9
1999	29.6	26.1	24.9	34.0	26.3			23.0	18.1	26.2	20.9	17.9		24.8	18.7
2000	29.9	26.5	25.8	32.7	26.6			23.1	18.0	27.2	21.0	17.6		24.2	19.7
2001	30.4	27.0	26.3	32.9	27.7			24.2	18.1	24.9	21.2	17.9		22.5	19.8
2002	30.6	27.5	26.6	29.5	27.7			23.4	18.2	26.2	21.7	19.3		20.9	18.8
2003	30.5	27.6	27.0	34.9	28.4			24.0	19.3	25.6	24.3	18.8		23.4	19.0
2004	30.8	28.3	27.2	35.3	27.6			24.1	19.7	23.7	24.3	19.4		23.3	19.7
2005	30.8	27.9	27.6	33.9	26.3			23.3	19.6		26.4	20.3		24.1	20.1
2006	30.5	27.4	26.6	31.7	24.9			24.1	19.9		27.3	21.0		24.4	20.4
2007	29.5	27.2	26.5	31.5	26.5			24.5	19.7		27.4	21.2		23.4	20.5

Table N-2

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for Ford

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	16.5	11.7	11.6	20.7	12.3	11.0			12.6		10.6		16.8	21.1	11.9
1976	18.7	14.7	14.2	23.4	15.4	13.6			13.4		13.7		18.2	22.9	13.4
1977	18.7	15.5	13.9	24.0	15.8	13.7		19.3	15.5		14.5		19.3	29.6	15.2
1978	23.5	17.7	15.3	23.4	19.5	15.0			15.0		13.2			29.3	15.2
1979	22.4	17.8	16.9	25.2	20.0	16.5			12.1		11.0			26.3	14.1
1980	24.1	22.1	18.9	26.8	22.7	18.4			16.2		14.0			26.2	17.1
1981	27.8	21.6	18.8	30.2	21.2	18.5			16.8		15.1			27.1	18.5
1982	28.6	21.3	19.7	31.3	22.0	19.9			16.2		14.8			29.7	17.8
1983	26.4	22.4	19.8	30.7	24.1	19.8			16.3		15.3			26.8	17.2
1984	27.8	23.1	19.9	32.8	24.7	19.9			16.6	21.2	15.0			26.4	17.4
1985	28.8	23.4	20.7	33.4	24.6	20.7			16.2	21.8	14.9			26.1	18.0
1986	28.3	25.4	22.0	33.1	25.4	22.0		22.3	17.7	22.2	16.6			26.4	18.4
1987	28.4	25.5	21.8	33.4	25.0	21.8		22.2	17.1	22.8	16.0			26.1	17.8
1988	29.0	26.4	22.6	32.9	24.9	22.6		22.0	17.0	22.2	16.2			25.7	18.1
1989	29.2	26.4	22.9	32.3	24.8	22.8		22.2	16.9	22.2	16.1			25.8	18.1
1990	28.8	26.4	22.8	33.0	24.8	22.5		21.2	16.5	22.4	16.1			25.5	18.3
1991	29.5	26.5	23.2	34.2	26.0	23.5		21.4	16.7		20.1			25.7	18.3
1992	29.4	26.3	24.2	35.1	26.4			21.5	17.0		20.0			25.7	18.1
1993	30.3	26.3	24.0	34.6	26.4			22.3	17.0		20.1			25.4	18.5
1994	30.1	25.9	23.6	35.8	26.1			22.0	17.0	16.8	20.0			24.8	18.6
1995	30.6	26.1	23.2	34.3	26.2			22.8	17.0	17.1	19.4			25.8	18.5
1996	29.6	25.8	23.1	32.5	25.4			22.7	16.6		19.5			25.4	18.0
1997	31.3	25.6	23.1	33.7	25.2			22.1	18.4	16.7	19.6	17.5		25.7	19.7
1998	30.0	26.3	23.0	33.0	24.9			23.2	18.5		20.0	17.3		24.0	19.3
1999	30.2	26.5	23.3	34.4	25.5			22.3	17.9		20.1	17.2		22.6	19.0
2000	29.8	25.2	25.0	28.0	27.6			22.5	18.3		20.0	17.5		22.5	19.2
2001	29.8	25.3	24.7	30.0	26.8			22.8	17.7		22.2	19.2		22.1	18.9
2002	29.0	25.6	25.5	28.7	27.8			22.9	18.7		22.5	19.1		22.3	19.1
2003	28.9	26.3	25.2	28.8	27.8			23.3	18.6		20.9	17.7		22.7	19.1
2004	27.5	26.3	24.7	28.9	26.2			22.4	19.0		20.9	18.1		22.4	18.8
2005	28.7	26.9	26.1	27.6	27.9			24.2	19.0		22.9	18.6		22.8	18.6
2006	28.4	28.2	25.1	28.1	30.4			23.9	18.7		22.8	18.7		22.6	18.5
2007	29.0	28.0	24.2	28.6	28.4			24.6			25.4	19.9		22.3	18.8

Table N-3

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for DC

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	18.8	12.6	14.1	20.9	13.9	13.0		12.6		16.8	12.9				13.0
1976	19.5	14.1	13.2	20.2	17.1	12.8		14.2		17.2	13.4				14.0
1977	20.0	15.0	13.0	19.1	16.9	13.3		13.8		18.2	14.2				14.5
1978	22.7	16.1	12.8	19.7	17.4	13.6		13.4		17.8	14.0				14.5
1979	25.6	18.6	17.1	19.6	18.1			13.8		16.8	13.0		23.9	23.9	13.5
1980	25.7	19.3	17.2	21.5	18.7			17.1	13.3	18.8	13.5		24.7	24.7	16.4
1981	27.9	24.3	17.8	21.7	25.8			17.6	15.0	20.7	15.5		20.7	24.6	17.9
1982	29.1	25.1		23.3	27.9			17.9	14.5	21.1	15.9		26.0	25.6	18.6
1983	31.7	25.2		23.9	27.7			18.1	14.7	21.1	15.1		29.0	27.8	18.4
1984	30.5	25.4			28.1		29.7	20.1	13.7	21.9	17.3		26.4	27.1	16.8
1985	30.1	25.8		20.5	27.0		27.7	20.9	13.8	22.1	18.2		22.0	27.2	16.4
1986	30.5	26.1		20.0	28.0		27.0	21.7	14.5	21.5	19.0			27.3	17.7
1987	29.1	25.4		20.2	27.6		27.2	22.1	14.7	21.5	19.3			23.8	16.6
1988	29.2	26.5	24.0	31.4	28.0		27.4	23.0	14.6	20.8	18.9			22.8	16.6
1989	28.9	26.1	23.7	32.1	23.4		26.1	22.7	14.4	20.6	18.9			22.1	16.2
1990	27.9	26.1	24.2	32.5	21.1		25.6	23.0	16.0	20.9	19.6			21.9	16.1
1991	27.8	26.5	24.4		21.2		25.7	22.8	16.2	21.1	18.9			20.3	16.1
1992	28.0	26.8	22.7		21.3		27.0	22.6	15.3	20.9	19.5			19.7	16.9
1993	28.9	27.8	24.6		26.8		27.6	23.6	16.1	21.1	19.3			19.4	16.8
1994	27.8	27.7	24.0		24.7		27.6	22.4	16.5	21.0	18.9			20.5	17.0
1995	29.9	27.3	24.6		25.6		26.5	23.0	15.8	21.7	18.8			20.7	16.2
1996	28.9	27.7	24.3				26.5	22.8	16.4		19.3			20.3	16.5
1997	28.6	27.7	24.2					22.7	15.9	20.5	19.2			19.8	16.9
1998	29.2	27.9	25.6		27.2			23.4	17.2	20.3	19.8	17.5		20.5	17.0
1999	27.6	27.7	25.8		26.7			23.1	17.5	19.7	20.4	16.8		19.2	17.1
2000	29.3	26.5	25.5		26.7			24.1	17.5	20.0	20.1	17.7		19.7	18.1
2001	28.4	27.5	25.3	27.0	26.1			24.1	17.5	19.9	20.0	17.9		19.6	17.0
2002	27.8	27.1	25.2	25.4	25.3			24.5	16.5	19.4	19.9	18.4		18.2	17.8
2003	27.2	26.8	25.3	25.6	25.8			25.0	17.5	19.9	21.7	19.1		18.1	18.2
2004	28.6	27.7	26.0	27.5	23.7	22.0		24.5		20.7	21.2	17.8		20.0	17.3
2005	28.5	28.1	24.7	27.6	23.3	22.2		24.3		18.9	21.1	17.7			18.2
2006	25.0	28.4	24.3	27.4	24.8	21.7		24.5		19.0	21.1	19.0			19.2
2007	27.5	27.6	22.8	27.6	23.0	22.3		24.6		20.7	22.0	19.3			19.2

Table N-4

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for Toyota

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	21.2			22.8			20.5			12.0			21.3		
1976	25.0			24.6						10.9	9.5		22.1		
1977	28.8			27.8						13.7	12.7		27.2		
1978	27.0			25.5						13.0	11.5		24.6		
1979	23.9			24.9						13.8	13.3		19.5		
1980	27.4			27.4						13.8			21.5		
1981	31.1			29.1						14.3			26.5		
1982	30.5			29.3						14.2			25.6		
1983	31.7			34.8							14.1		25.5		
1984	32.8			33.9			27.0				17.3		25.1		
1985	32.1			35.5	24.5		26.6				21.1		27.0	27.9	
1986	32.3			33.7	23.8		26.3				23.3		26.4	29.0	
1987	33.0			32.8	23.6		25.5				22.7		26.6	29.0	
1988	32.7			31.5			25.8				20.3		25.1	24.5	
1989	31.9			30.6			25.9				19.7		23.5	24.5	
1990	31.0	23.4		29.9							19.5		23.1	23.9	
1991	31.2	23.2		30.8				22.9			19.6	14.9	23.8	23.5	
1992	31.2	26.0		31.8	25.2			22.3			17.7	14.5	23.7	23.5	
1993	31.7	26.1		34.2	25.7			21.9			17.8	15.6	26.1		19.5
1994	32.2	26.1		33.8	25.6			22.0			17.8	15.5	24.5		20.5
1995	33.4	27.1	28.3	35.2	27.2			22.6			18.7	16.7	23.8		21.6
1996	33.4	26.9	28.1	35.3	26.9			22.4		29.3	21.7	16.7	24.3		21.5
1997	31.7	28.4	28.6					22.3		25.5	21.2	16.7			20.4
1998	33.9	28.6	27.8					24.2		28.9	21.5	17.3	24.0		20.7
1999	32.8	29.0	28.1					24.1		29.0	22.4	17.1	23.2		
2000	33.4	28.8	28.1					24.1		29.2	21.9	17.1	26.6		20.0
2001	34.5	29.3	26.7					24.7		29.2	22.2	20.1	26.7		20.4
2002	34.2	29.2	28.4					24.7		29.5	22.8	17.8	22.7		18.8
2003	36.8	29.7	27.4	35.2				24.7		29.5	22.5	17.9	22.6		19.2
2004	35.4	31.5	26.6	36.1				25.4		29.5	23.2	17.8	22.5		18.4
2005	36.3	34.3	27.0	37.0				24.7		29.5	23.4	18.6		27.0	21.3
2006	35.2	34.8	28.8	36.5				24.8			26.0	18.5		24.6	20.5
2007	34.0	35.1	29.8	36.4				25.9			25.8	18.7		24.6	19.8

Table N-5

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for Honda

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups	
1975	31.4															
1976	32.9			29.4												
1977	36.2			31.9												
1978	34.0			31.5												
1979	29.0			29.9												
1980	28.9			32.5												
1981	30.6			33.7												
1982	33.2			36.7												
1983	35.2			36.7												
1984	35.1			36.1												
1985	33.7			34.8												
1986	33.5			34.6												
1987	32.8			34.2												
1988	31.8			34.2												
1989	31.2			34.7												
1990	30.3			35.2												
1991	30.4			28.7												
1992	31.0			27.1												
1993	32.2			27.6												
1994	32.1			29.0							20.2					
1995	32.9			29.0				25.5								
1996	32.1	24.5		28.5				28.5			19.4					
1997	32.4	24.5		27.2				24.9			24.7					
1998	35.1	29.1						27.0			25.4					
1999	34.7	28.5						24.1			25.7					
2000	35.4	28.4						23.9			26.0					
2001	36.6	28.8						24.0			25.3					
2002	37.5	28.6						24.2			26.3					
2003	38.0	29.8						24.2			25.0					
2004	37.1	30.0						24.2			24.7					
2005	37.5	30.1						26.0			24.5					
2006	38.2	30.0						26.1			24.9				21.4	
2007	37.8	30.1		40.0				24.7			25.5				21.4	

Table N-6

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for Nissan

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	25.2			20.9									23.6		
1976	26.8			27.4									24.5		
1977	27.2			27.1									25.0		
1978	27.0			25.5									25.6		
1979	26.6			27.9									23.2		
1980	31.1			32.2									25.1		
1981	30.4			31.4									27.7		
1982	30.5			32.0									27.8		
1983	32.5			34.6									27.4		
1984	31.6			35.1									26.2		
1985	29.4			30.0									25.7		
1986	30.2			31.7	27.0								24.7		
1987	29.4			28.4	26.4		22.4			18.7			25.1		
1988	30.7			29.7	26.5		22.3			18.5			24.7		
1989	31.8	25.3		32.3			22.2			19.0			24.8		
1990	29.8	24.9		33.5			25.4			19.5			27.1		
1991	31.0	24.6					26.0			19.5			26.9		
1992	32.1	24.8					25.6			19.6			26.7		
1993	30.3	25.1						21.8		19.4			26.4		
1994	31.2	24.4						22.7		18.6			25.6		
1995	30.4	27.0						23.0		19.1			24.9		
1996	32.5	27.3						22.9		19.8			25.2		
1997	31.1	27.0						22.6		19.6			24.9		
1998	31.9	27.3						22.7		19.5			25.5		
1999	31.0	27.0						23.1		19.5			23.3		
2000	29.5	26.6						22.8		19.7	19.4		26.0		19.5
2001	30.0	25.7						22.6			19.8		26.3		20.0
2002	33.5	27.5						22.6			19.9		26.1		20.0
2003	27.8	27.9								20.6	23.7		26.2		20.9
2004	28.8	27.5						24.6		22.6	18.5				23.2
2005	29.5	29.3						24.7		21.0	21.4				19.4
2006	30.0	29.3	23.4					24.9		20.9	21.5				19.8
2007	25.2	32.3	23.5					24.4		21.4	21.8				19.6

Table N-7

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for HK

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975															
1976															
1977															
1978															
1979															
1980															
1981															
1982															
1983															
1984															
1985															
1986	34.9														
1987	34.5														
1988	34.3														
1989	34.8	26.5													
1990	35.7	26.0													
1991	34.9	25.5													
1992	32.5	24.9													
1993	32.4	25.2													
1994	32.9	24.9													
1995	32.5	25.8										24.3			
1996	32.4	27.0		30.2								23.4			
1997	31.9	25.8		30.4								23.7			
1998	31.5	25.8		29.5								24.4			
1999	31.3	26.7		28.9						24.4					
2000	30.6	26.8		28.9						23.3		23.6			
2001	32.2	26.3								22.9		24.2			
2002	32.1	26.4						20.0		23.1		24.2			
2003	31.3	26.8						20.0				22.6			
2004	31.9	27.5	22.6					21.1				22.9			
2005	32.4	29.8	23.1					21.3				23.4			
2006	33.7	32.1	28.2					23.8				23.6			
2007	35.4	34.8	28.6		27.6			23.8				24.8	23.1		



Table N-8

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for VW

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	26.4			27.2			20.7								
1976	27.5			27.9			19.9								
1977	28.8			28.7			22.2								
1978	27.2			25.7			20.0								
1979	28.6			25.0			18.7								
1980	30.8			40.1			19.0						31.3		
1981	34.1			40.6			18.5						36.9		
1982	32.9			29.8			21.7						39.2		
1983	30.0			30.6			19.3						32.8		
1984	30.5	22.9		26.2	22.4		20.7								
1985	31.7	22.6		28.7	22.7		21.3								
1986	30.7	23.0		22.7	22.9		19.2								
1987	29.1	23.5		27.5	23.3		18.9								
1988	29.9	23.8		31.4	23.4		19.9								
1989	30.2	23.5		31.7	23.3		20.8								
1990	29.6	24.4		31.7	26.8		20.8								
1991	30.3	25.3			26.9		20.9								
1992	30.2	25.5		22.8	27.6										
1993	27.8	24.3		22.9	24.0			21.0							
1994	27.9			23.5	23.9			20.1							
1995	28.8	24.5		23.4	24.0				19.6						
1996	27.8	28.2		24.1	30.8										
1997	28.4	26.6		24.2	25.1				18.5						
1998	29.1	26.3		24.5	29.2										
1999	28.6	26.4		26.2	26.5		19.5	18.5							
2000	29.2	25.5	22.8	25.8	25.0		19.7	18.5							
2001	28.9	25.5	23.2	27.0	23.3		20.7								
2002	29.3	26.9	22.6	29.8	26.4		21.0	20.0							
2003	29.8	27.2	23.1	33.6	26.0		20.0	20.9				18.0			
2004	29.0	27.4	22.5	31.7	25.9							18.7			
2005	28.7	27.3	22.7	33.1	27.2							19.1			
2006	30.7	27.1	23.0	30.7	24.8							19.3			
2007	28.7	26.1	23.6	29.8	28.5							19.7			

Table N-9

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for Others

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	22.5	17.4		24.1	19.7										
1976	23.2	11.0		26.0	22.3										
1977	24.8	17.6		28.5	28.5										
1978	24.7	17.7		24.9	26.0								27.2		
1979	25.3	16.7		27.8	27.0					25.7	12.9	15.6	27.5		
1980	28.2	18.5		26.7	29.9					25.2	16.8	18.1	26.0		18.7
1981	29.3	16.6		29.5	28.5					25.2			28.4		
1982	29.9	13.4		30.5	28.3					25.0			29.7		
1983	29.0	14.6	27.6	30.2	27.1	27.6	39.0		12.8	24.0			29.3	29.2	
1984	28.9	10.7		29.7	24.5				12.7	25.2			27.1	28.6	
1985	28.9	10.9	16.3	29.6	27.4					27.1	21.6		29.6	28.4	
1986	29.2	13.4	20.8	29.1	24.6				20.8	31.0			30.0	28.2	
1987	28.4	15.2	10.4	28.1	24.3					30.3			29.8	28.4	23.7
1988	29.9	17.9	18.1	29.5	23.3					31.4				28.1	20.8
1989	29.0	17.9	20.6	29.4	28.6					26.6				27.2	
1990	28.9	19.5	20.7	27.3	25.9					24.5				23.8	
1991	28.2	18.6		27.5	23.2					23.6	19.8			23.5	
1992	27.6	19.3		28.0	23.2					23.1	19.2			24.6	
1993	29.4	20.3	13.6	28.3	25.4					22.9	19.2			24.5	
1994	28.7	21.0	13.6	27.2	25.6					28.7	18.8			25.2	
1995	28.6	21.9	13.6	28.0	27.6					28.1	18.8			26.0	
1996	32.1	15.8	22.0	28.7	27.0		26.1			28.0	19.2			25.1	
1997	28.8	21.9	22.5	29.9	27.3					27.6	21.9				
1998	28.5	23.2	22.3	31.1	27.4					27.0	22.5				
1999	28.5	26.5	22.3	29.0	27.2					25.5	22.3				
2000	27.5	26.8	22.4	28.5	27.8					25.2	21.6	17.5			
2001	27.0	26.2	22.4	28.5	27.6					26.5	22.5	19.8			
2002	27.7	26.7	23.6	27.8	27.4					25.0		20.1			
2003	27.8	23.6	23.5	28.7	27.3					27.0	23.2	20.5	26.3		
2004	27.5	26.6	23.5	28.3	27.3					26.5	22.4	22.6	25.4		
2005	27.7	26.7	21.8	28.9	27.6					27.9	22.2	22.0	25.8		
2006	27.8	26.7	22.4	28.8	27.7					28.7	23.4	21.3	26.3		20.6
2007	28.2	26.2	22.3	29.0	27.8					28.6	23.6	23.4			20.1

Table N-10

## Laboratory Fuel Economy Values by Marketing Group, Vehicle Type and Size for All

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	18.3	13.6	13.1	22.4	13.2	11.9	20.6	13.3	12.6	16.1	12.1	12.2	22.5	21.1	13.1
1976	19.9	15.7	14.2	23.9	16.0	13.5	19.9	14.1	13.4	15.9	13.3	12.7	23.8	22.9	13.9
1977	20.7	16.4	15.9	25.5	16.3	15.5	22.2	14.3	15.5	17.0	14.6	13.6	25.5	29.6	14.9
1978	23.2	18.6	16.8	24.3	18.6	15.9	20.0	13.8	15.0	16.9	13.8	13.2	25.6	29.3	14.7
1979	23.3	19.1	17.4	25.7	19.1	16.1	18.7	14.3	12.1	16.7	11.9	11.1	22.8	25.9	14.3
1980	26.1	21.6	19.1	28.6	21.1	19.1	19.0	16.9	16.0	18.8	14.3	14.3	24.3	25.9	17.2
1981	28.5	22.9	20.4	30.0	23.1	19.9	18.5	17.9	16.8	20.4	15.6	15.3	28.2	26.4	18.6
1982	29.1	24.0	20.7	30.6	23.7	19.2	21.7	17.9	16.1	20.5	16.4	18.9	27.3	26.7	18.6
1983	29.4	23.9	20.2	32.2	24.4	19.6	19.7	18.7	16.2	21.4	18.8	17.6	26.9	26.5	18.1
1984	29.4	24.1	20.5	31.9	25.0	19.9	25.6	19.2	16.4	21.6	18.9	16.9	26.1	25.7	17.8
1985	29.8	24.9	22.3	32.5	25.2	20.9	25.5	19.8	16.1	22.1	19.7	16.9	26.7	25.7	17.7
1986	30.0	25.9	23.9	31.0	26.0	22.0	25.7	20.8	17.6	23.7	19.7	16.8	25.9	26.1	18.2
1987	30.1	26.0	23.9	30.7	25.6	22.1	24.3	21.2	17.0	24.2	19.8	17.0	26.0	25.4	17.7
1988	30.5	26.7	24.2	31.3	26.2	22.8	24.5	21.8	16.9	24.2	19.5	16.6	25.0	25.3	18.0
1989	30.2	26.6	24.0	31.5	25.6	22.5	25.0	21.8	16.8	22.8	19.5	16.7	23.9	24.8	18.1
1990	29.8	26.2	23.7	29.6	25.3	22.7	23.9	21.8	16.5	23.4	19.1	16.7	24.8	24.7	18.0
1991	30.0	26.0	23.6	30.6	25.9	22.9	24.0	21.9	16.7	23.6	20.2	16.2	25.0	24.6	18.2
1992	30.0	25.8	23.8	30.2	26.2	22.7	27.0	21.8	16.9	23.4	19.9	15.7	24.6	23.8	18.3
1993	30.5	26.1	24.2	32.5	26.2	22.5	28.2	22.3	17.0	23.2	20.0	16.3	26.3	23.7	18.7
1994	30.4	25.9	24.1	32.9	26.0	22.9	27.0	22.0	17.0	24.1	19.8	16.4	24.9	24.0	18.4
1995	30.7	26.1	24.4	33.3	26.6	22.8	26.5	22.2	17.1	24.2	19.6	16.6	24.4	24.7	18.0
1996	30.8	26.5	24.3	31.6	26.3	23.2	26.2	22.8	17.1	28.5	20.0	17.3	24.6	24.8	18.2
1997	30.9	26.5	24.5	32.2	26.3			22.6	18.6	22.8	20.5	17.5	24.9	24.2	18.9
1998	30.9	27.1	24.6	32.1	26.2			23.3	18.3	23.8	20.8	17.4	24.5	23.9	18.6
1999	30.3	27.1	24.8	31.5	26.3			23.0	17.9	24.1	21.0	17.2	23.2	22.5	18.5
2000	30.3	27.0	25.6	29.2	27.3			23.5	18.0	22.5	21.0	17.6	26.3	22.8	19.3
2001	30.7	27.2	25.4	27.3	26.6			24.0	17.7	24.9	21.7	18.5	26.5	21.8	18.9
2002	30.7	27.7	26.0	26.1	27.4			23.7	17.9	24.7	21.8	19.1	23.2	21.1	18.7
2003	30.6	28.3	26.0	30.2	27.2			24.1	18.7	25.2	22.4	18.8	23.2	22.8	18.9
2004	30.5	28.7	26.0	31.4	26.4	22.0		24.1	19.4	24.7	22.5	18.9	22.6	21.8	19.0
2005	31.1	29.8	26.4	32.5	26.0	22.2		24.2	19.4	24.3	23.0	19.9	25.8	23.6	19.4
2006	31.0	29.6	25.9	31.4	27.8	21.7		24.7	19.4	22.2	23.7	20.4	26.3	23.8	19.7
2007	30.3	30.8	25.3	33.2	26.7	22.3		24.7	19.7	22.6	24.6	20.8		23.7	19.7

Table N-11

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for GM

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	33.1	34.8	34.8	33.9	33.8	33.5		30.9			29.0	28.9	30.6		29.6
1976	35.4	37.8	37.0	35.0	36.6	37.6		30.6			32.3	31.2	34.5		30.9
1977	36.9	38.9	36.1	38.4	37.7	38.3		32.4			34.9	33.7	34.7		32.3
1978	35.7	35.7	37.2	38.1	36.6	37.1		31.1			33.3	32.8	37.4		31.5
1979	35.8	35.7	37.2	39.0	36.9	36.1		33.9			29.3	29.2	36.1		34.9
1980	35.3	36.9	40.4		39.1	44.7		36.4			36.9	36.8	37.8		39.1
1981	37.1	39.8	44.1		41.0	47.0		39.5			41.7	39.3	42.9		40.1
1982	39.0	41.6	43.1	39.1	41.0	43.4		39.8	38.5		50.4	52.7	50.5	38.8	43.9
1983	40.1	40.4	41.3	40.9	40.5	44.0		43.4	39.4		45.0	48.7	50.5	41.0	42.5
1984	41.1	40.3	41.9	42.4	40.9	44.9		41.3	37.5		43.6	45.3	47.5	39.5	41.7
1985	42.0	42.1	43.4	42.3	42.6	47.3		40.5	38.6		43.0	44.9	45.2	40.0	40.4
1986	42.5	42.2	44.7	42.0	44.1	49.6		41.4	39.8		40.7	44.5	42.6	39.6	41.0
1987	43.1	43.2	44.2	43.7	45.4	50.2		41.9	46.2		40.8	46.9		40.0	40.4
1988	43.7	44.7	45.6	43.9	47.4	51.5		42.7	46.9		42.0	46.0		41.9	40.8
1989	43.5	43.5	44.6	43.7	46.5	50.4		42.9	46.2	38.8	42.5	47.9		41.4	40.7
1990	43.8	44.9	44.7	45.4	46.5	51.2		44.3	47.2	39.0	41.2	47.8		40.9	41.0
1991	43.6	43.4	46.1	45.1	45.7	51.3		44.9	47.2	39.1	42.2	47.5		41.0	41.5
1992	43.1	44.9	45.0	44.2	45.6	51.1		45.1	45.0	38.7	40.7	44.7		40.2	42.3
1993	43.4	45.5	46.1	43.9	46.1	50.7		45.3	45.7	38.6	43.8	46.7		39.9	43.3
1994	44.4	45.3	46.5	44.4	45.9	51.6		45.5	46.0	38.3	45.1	47.0		44.1	42.4
1995	45.2	45.5	46.9	46.0	45.7	51.3		44.9	44.7	38.3	45.2	46.5		46.1	42.2
1996	45.9	46.5	48.1	46.1	46.8	52.2		47.8	45.9	40.0	46.3	48.4		48.1	45.1
1997	45.9	47.0	46.9	46.1				47.7	47.7	40.3	46.1	49.2		47.0	47.2
1998	45.8	46.9	46.5	46.7				47.9	45.8	42.3	46.7	47.3		47.5	44.8
1999	46.6	46.5	47.6	47.2	52.8			48.2	45.5	43.9	45.1	47.3		45.9	47.4
2000	47.0	46.7	49.4	46.5	48.5			48.6	45.3	45.5	45.9	50.1		44.1	46.6
2001	47.5	48.2	50.4	46.4	51.7			50.1	45.7	42.6	45.6	50.8		43.1	47.8
2002	47.3	48.6	50.8	44.3	50.6			49.2	45.9	45.7	45.5	50.7		43.8	48.1
2003	48.5	49.5	50.9	52.4	51.3			50.2	52.7	43.0	47.8	51.0		44.9	48.1
2004	48.5	49.7	50.9	53.0	52.3			49.7	53.0	41.5	49.3	51.6		46.7	49.8
2005	48.3	50.7	52.0	52.6	52.5			51.4	52.0		50.7	51.9		46.3	50.3
2006	48.5	51.2	53.2	53.2	49.9			54.8	51.8		51.7	50.9		45.7	50.9
2007	48.1	51.6	53.6	53.1	53.0			55.1	54.0		52.3	55.6		45.8	53.8

Table N-12

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for Ford

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	29.8	28.8	30.0	31.8	29.1	30.3			26.4		26.5		25.8	31.6	26.3
1976	34.7	35.3	36.5	36.6	37.1	37.4			28.0		34.5		28.0	34.9	29.8
1977	36.1	36.3	35.5	35.9	36.4	35.3		38.5	32.2		36.3		29.1	44.7	33.6
1978	36.1	35.5	37.8	35.6	34.2	38.1			31.2		33.1			44.4	33.7
1979	33.5	35.0	35.7	36.7	34.1	36.2			28.6		27.5			40.3	30.6
1980	34.4	35.5	38.8	37.7	35.5	39.3			37.9		33.2			39.9	36.6
1981	37.0	34.1	37.6	37.9	36.2	37.8			38.3		35.8			40.3	38.0
1982	38.2	35.2	39.5	39.2	38.9	39.7			37.1		34.9			43.6	36.7
1983	38.1	37.5	39.6	38.5	42.4	39.6			37.1		36.2			39.4	36.4
1984	40.5	41.5	39.8	41.7	43.3	39.8			36.8	37.1	36.3			40.4	36.6
1985	41.5	41.4	41.5	42.2	43.4	41.4			36.4	38.2	37.0			39.2	37.6
1986	42.0	44.0	43.9	42.2	44.6	43.9		42.8	40.8	38.8	40.5			41.0	38.8
1987	42.2	43.2	43.7	43.5	43.9	43.7		43.6	39.8	39.9	40.2			40.7	38.8
1988	42.6	44.8	45.3	43.5	43.7	45.3		43.5	41.4	39.0	40.5			40.8	39.9
1989	42.0	46.7	45.7	42.8	43.4	45.5		43.9	40.8	42.7	40.4			41.8	40.7
1990	42.2	47.3	45.6	44.7	43.5	45.0		42.3	40.6	42.7	40.0			42.2	41.4
1991	42.7	47.0	46.4	47.1	45.6	46.9		42.7	41.3		43.9			43.1	41.2
1992	42.9	47.0	48.3	48.3	46.2			43.5	43.7		43.7			44.8	41.9
1993	43.8	46.9	48.0	47.8	46.3			44.8	43.7		44.1			44.5	42.9
1994	44.7	46.7	47.2	49.3	45.8			44.3	43.9	33.6	43.8			44.7	43.3
1995	46.7	46.7	46.4	47.9	45.9			45.5	44.3	34.3	44.3			46.8	43.0
1996	45.8	45.8	46.3	46.8	49.3			45.6	43.3		44.3			45.8	41.8
1997	46.3	45.5	46.3	47.4	49.2			44.4	47.7	33.5	43.9	45.0		46.9	45.2
1998	46.3	45.4	45.9	46.7	48.4			46.5	48.3		43.2	46.0		44.1	45.0
1999	46.3	46.1	46.5	47.4	49.1			48.7	46.2		43.3	47.0		42.1	44.8
2000	47.0	45.7	46.7	49.0	49.4			49.1	46.9		43.3	47.4		42.5	45.5
2001	47.7	45.7	45.7	52.6	48.7			45.6	48.3		45.5	44.4		41.8	46.5
2002	47.1	46.0	47.2	50.2	49.9			50.1	48.1		43.1	44.8		42.4	46.6
2003	47.2	48.3	49.0	50.4	49.3			51.3	47.8		44.2	49.8		43.9	47.0
2004	46.5	48.5	49.1	50.5	49.6			49.3	49.3		44.7	50.1		43.4	51.2
2005	47.8	49.4	51.2	49.9	49.8			52.5	48.8		46.6	51.7		43.7	51.6
2006	48.0	51.0	50.6	50.8	49.4			51.9	47.8		48.3	53.0		43.7	52.2
2007	48.6	51.0	50.8	52.1	50.0			53.1			50.3	52.2		42.8	52.2

Table N-13

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for DC

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	34.0	29.0	34.6	32.3	35.0	33.9		27.4		23.2	28.5				28.5
1976	35.0	32.2	33.5	33.7	36.5	32.5		30.8		24.2	29.2				30.7
1977	36.1	33.1	33.2	33.3	35.2	33.1		30.5		25.6	31.1				31.5
1978	36.4	35.0	32.7	34.2	36.4	30.5		29.7		25.0	30.5				30.9
1979	36.3	36.2	36.7	34.1	36.4			31.0		26.7	29.6		32.9	33.0	30.7
1980	35.8	35.2	34.4	35.9	37.6			34.9	32.5	29.6	30.1		34.0	34.0	34.4
1981	38.7	36.9	35.8	37.5	37.3			35.6	34.9	31.6	33.8		31.6	35.4	36.0
1982	42.8	39.2		40.5	40.5			36.0	33.8	30.2	35.7		35.4	37.8	37.5
1983	43.7	39.6		41.8	40.5			37.4	34.8	30.3	34.6		39.4	41.0	37.9
1984	41.5	39.5			40.0		40.9	38.3	33.5	32.5	34.1		36.4	39.8	34.7
1985	41.3	40.5		40.0	41.3		40.2	38.9	33.4	38.7	35.1		38.5	39.9	34.5
1986	41.6	41.1		39.0	42.0		40.2	40.9	35.2	37.0	36.5			39.2	36.4
1987	39.9	40.6		39.5	42.1		41.1	41.9	35.9	36.9	37.2			40.3	35.3
1988	42.2	42.1	36.0	43.4	42.9		42.6	44.1	35.5	35.8	35.3			39.2	36.3
1989	43.9	42.6	36.3	43.9	41.1		40.4	43.9	34.6	35.1	35.3			38.0	35.3
1990	43.8	43.5	44.9	44.0	42.2		40.1	44.9	39.3	34.5	35.8			40.7	35.9
1991	44.0	43.5	43.8		42.4		40.0	45.7	39.2	37.0	34.0			39.4	36.1
1992	44.5	43.1	44.2		42.5		41.9	45.6	39.3	34.3	34.6			39.3	37.7
1993	44.9	44.0	44.9		42.7		42.2	45.4	39.5	34.5	37.0			39.2	38.0
1994	44.5	41.6	45.5		49.5		42.7	44.8	40.9	33.9	36.3			41.6	40.4
1995	45.2	45.4	46.5		51.2		42.1	44.5	40.1	33.8	36.0			42.0	39.5
1996	44.2	47.4	46.7				41.9	47.6	41.1		36.8			40.3	41.0
1997	44.5	47.9	46.8					47.3	41.5	38.6	37.3			40.9	42.8
1998	45.4	49.1	46.2		54.4			48.4	44.7	35.7	39.3	43.0		42.1	43.7
1999	45.2	50.0	49.1		53.4			48.1	45.5	38.2	42.2	41.3		40.4	43.6
2000	45.9	47.6	48.8		53.5			49.5	41.7	38.9	40.1	44.7		42.1	43.2
2001	47.1	49.9	48.2	47.3	52.3			52.8	43.0	39.0	40.4	45.4		41.3	42.8
2002	47.1	48.4	47.9	44.7	50.6			53.2	39.6	38.4	43.1	45.1		41.9	45.6
2003	48.0	50.3	49.6	45.0	51.7			53.2	42.6	39.4	44.8	47.0		41.7	46.8
2004	48.6	49.8	49.6	48.4	51.3	52.4		53.6		41.0	43.3	46.5		45.1	46.4
2005	47.2	51.2	52.1	48.4	49.2	53.1		52.0		36.2	46.5	46.8			46.4
2006	48.2	50.9	51.6	48.0	51.2	52.3		52.6		35.5	47.7	48.7			48.4
2007	52.1	53.8	50.8	48.4	51.4	53.5		52.6		44.0	48.0	50.7			48.5

Table N-14

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for Toyota

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	29.2			30.8			35.9			24.0			29.3		
1976	34.4			33.4						22.3	21.3		31.1		
1977	38.3			37.2						28.2	29.3		37.8		
1978	35.9			34.9						26.4	26.5		35.3		
1979	32.7			32.9						27.6	29.9		27.5		
1980	36.2			35.9						27.6			30.9		
1981	40.0			37.7						30.3			38.7		
1982	39.5			37.5						30.9			39.0		
1983	43.6			43.5							31.6		38.8		
1984	44.7			43.8			45.9			35.1			38.3		
1985	44.8			44.3	42.9		43.6			41.2			42.2	41.8	
1986	44.8			42.3	41.7		45.2			47.8			41.6	43.5	
1987	46.7			47.4	41.3		41.8			43.4			41.6	43.5	
1988	45.5			46.1			45.4			41.4			40.1	36.8	
1989	45.2			45.1			45.9			41.1			39.9	42.9	
1990	45.0	46.8		45.0						41.8			39.6	41.8	
1991	44.6	46.5		45.4				45.7		42.9	37.2		40.8	41.1	
1992	43.7	46.0		44.7	44.3		44.6			39.1	36.3		40.3	41.1	
1993	44.5	46.6		47.1	45.3		43.8			39.2	38.9		42.3		37.4
1994	44.8	46.5		46.6	47.8		44.3			39.1	38.9		41.6		37.8
1995	46.8	48.2	49.6	48.4	50.8		46.3			40.7	41.8		40.8		42.9
1996	46.5	47.5	49.1	48.6	50.0		45.5		43.7	41.9	41.8		40.8		42.9
1997	45.5	50.3	50.0				46.0		41.4	42.0	41.8				41.7
1998	49.2	51.2	48.7				48.4		47.2	42.3	49.2		40.6		42.7
1999	48.9	51.6	49.1				48.2		47.4	45.7	51.3		41.2		
2000	48.8	51.2	49.2				48.2		47.5	46.1	51.3		40.1		42.9
2001	51.6	52.2	48.6				49.5		47.7	46.0	48.5		42.6		42.9
2002	52.9	52.0	49.7				49.5		47.5	46.8	49.8		43.0		43.7
2003	52.7	52.4	49.6	52.9			49.5		47.7	47.6	50.1		43.1		44.3
2004	52.3	58.4	51.5	52.9			57.3		47.9	50.7	49.7		42.8		46.3
2005	52.5	63.9	56.6	53.3			55.6		47.9	51.5	52.1			47.3	48.4
2006	53.1	65.8	58.7	51.9			55.8			57.0	52.2			48.0	48.9
2007	52.9	68.2	59.6	54.7			58.4			55.9	52.4			48.3	53.4

Table N-15

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for Honda

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	31.5														
1976	33.2			33.1											
1977	38.2			36.1											
1978	36.3			35.6											
1979	33.6			33.7											
1980	34.0			36.9											
1981	36.2			38.0											
1982	39.5			41.6											
1983	42.4			41.5											
1984	42.3			40.7											
1985	41.4			40.5											
1986	43.4			41.1											
1987	43.5			41.0											
1988	44.4			44.6											
1989	44.1			44.2											
1990	44.2			47.0											
1991	44.4			46.6											
1992	47.3			47.5											
1993	48.3			48.3											
1994	49.3			50.8							40.4				
1995	49.4			50.9				44.7							
1996	48.8	49.0		50.0				49.8			42.1				
1997	48.8	49.0		47.8				43.6			45.8				
1998	50.6	51.2						47.2			46.1				
1999	49.6	50.3						54.2			46.5				
2000	49.5	50.0						53.8			47.1				
2001	53.2	50.6						54.0			48.1				
2002	53.0	50.9						54.5			49.6				
2003	56.5	53.0						54.5			50.2				
2004	55.4	53.9						54.5			49.8				
2005	55.7	54.5						58.6			49.7				
2006	59.6	54.4						58.7			50.3				48.1
2007	59.2	54.4		55.1				55.6			52.6				48.1



Table N-16

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for Nissan

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	33.4			31.5									32.5		
1976	34.8			37.0									33.8		
1977	35.4			36.2									34.4		
1978	34.6			34.6									35.7		
1979	33.7			34.3									32.4		
1980	38.7			39.0									35.8		
1981	38.9			39.5									40.9		
1982	40.0			40.6									40.9		
1983	41.6			42.7									42.0		
1984	42.5			43.4									41.7		
1985	40.8			39.9									40.3		
1986	42.2			41.2	41.7								39.9		
1987	42.4			42.7	39.8		39.1				37.4		39.9		
1988	42.9			42.9	40.7		40.3				37.1		40.1		
1989	42.6	44.2		44.7			41.4				37.9		40.2		
1990	42.6	44.3		45.1			43.9				39.0		43.1		
1991	45.4	44.2					44.0				39.0		43.1		
1992	46.2	44.3					44.8				39.2		43.3		
1993	45.6	44.3						43.5			41.8		43.2		
1994	45.8	44.1						45.4			40.4		42.7		
1995	45.5	47.6						46.0			40.0		42.0		
1996	47.0	47.9						45.8			39.7		42.2		
1997	45.8	47.7						45.2			43.1		41.7		
1998	50.3	48.2						45.4			42.9		46.1		
1999	50.4	47.7						46.1			42.4		44.3		
2000	48.0	46.6						45.7		42.0	42.0		45.7		41.1
2001	47.8	45.1						45.1			42.7		46.2		41.5
2002	50.6	48.5						45.1			42.7		45.9		42.2
2003	46.8	49.1									44.2	49.7	46.0		43.5
2004	48.5	52.0							55.3		47.3	49.1			45.1
2005	50.3	52.5							55.5		47.4	51.0			47.5
2006	50.6	52.7	46.8						56.1		47.1	51.8			47.6
2007	48.4	56.3	47.0						55.0		48.2	52.6			48.1

Table N-17

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for HK

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975															
1976															
1977															
1978															
1979															
1980															
1981															
1982															
1983															
1984															
1985															
1986	43.7														
1987	43.2														
1988	43.0														
1989	43.5	39.8													
1990	44.7	40.7													
1991	43.7	40.8													
1992	43.1	43.8													
1993	43.2	44.3													
1994	43.9	43.8													
1995	44.1	41.5									42.7				
1996	43.4	41.9		45.3							41.0				
1997	43.8	40.6		45.6							41.6				
1998	43.4	39.9		44.3							42.7				
1999	43.7	46.8		43.4						42.7					
2000	43.7	46.9		43.4						40.9	41.3				
2001	45.0	47.5								40.1	46.4				
2002	46.3	47.2						50.0		40.5	47.3				
2003	46.7	47.5						50.0			47.4				
2004	47.0	48.0	45.3					52.9			47.7				
2005	46.4	48.4	46.1					53.3			48.1				
2006	50.4	49.8	54.9					53.5			48.6				
2007	51.1	54.2	54.9		50.9			53.5			51.3	51.9			

Table N-18

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for VW

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	31.1			34.1			36.2								
1976	32.2			34.9			34.9								
1977	34.6			36.4			38.9								
1978	34.0			32.4			35.0								
1979	35.8			31.3			32.9								
1980	38.6			50.5			34.4						37.6		
1981	43.1			50.7			33.8						43.6		
1982	42.9			41.8			42.1						46.2		
1983	39.1			45.2			35.3						42.6		
1984	39.5	34.9		40.9	39.3		37.5								
1985	42.0	35.0		40.0	39.8		39.0								
1986	40.6	35.6		34.1	40.2		36.2								
1987	39.3	37.3		37.9	40.7		36.2								
1988	40.4	37.5		39.6	40.9		38.6								
1989	41.0	41.1		39.6	43.1		42.2								
1990	41.3	43.0		39.6	47.4		41.9								
1991	42.9	43.7			45.5		42.1								
1992	42.5	43.6		45.5	44.6										
1993	41.2	42.3		45.9	42.1			43.7							
1994	43.2			46.9	41.8			42.8							
1995	44.5	41.7		46.7	41.9				48.9						
1996	43.4	51.5		48.3	59.9										
1997	44.3	51.4		48.4	45.1				50.8						
1998	45.8	48.8		47.2	51.3										
1999	45.1	47.9		47.3	49.1			43.9	51.0						
2000	46.6	47.7	51.2	46.8	45.3			44.4	51.0						
2001	47.0	46.6	52.2	49.0	46.6			50.0							
2002	49.6	48.9	51.8	55.2	50.0			47.2	55.1						
2003	50.3	50.4	52.2	64.6	50.1			55.1	47.1			49.5			
2004	50.1	50.7	53.4	60.4	51.1							51.3			
2005	51.5	52.6	53.3	64.6	55.8							51.7			
2006	56.2	51.3	52.7	55.8	55.7							52.6			
2007	52.3	51.3	53.4	55.9	58.0							54.7			

Table N-19

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for Others

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	30.3	34.8		31.4	38.1										
1976	31.7	24.7		33.6	40.8										
1977	32.2	36.2		36.4	50.0										
1978	32.0	36.2		32.6	46.9								34.2		
1979	33.8	34.2		35.1	47.9					25.7	28.3	37.9	34.5		
1980	36.2	37.5		33.4	52.4					25.2	39.0	42.8	32.5		43.3
1981	38.4	35.9		37.3	49.9					25.2			35.4		
1982	39.2	31.6		40.0	49.5					26.9			37.1		
1983	39.5	34.6	62.1	40.1	47.5	62.1	44.0		36.4	29.2			36.9	44.4	
1984	39.9	26.9		40.3	43.2		43.6		36.3	34.5			34.2	42.8	
1985	41.1	27.2	40.4	40.4	40.9		40.5	43.1		34.6			37.0	40.1	
1986	40.1	29.9	42.0	40.1	43.1		40.7		57.1	37.4			37.5	39.5	
1987	39.5	31.7	31.3	40.2	42.5		38.1			37.2			37.2	41.1	41.9
1988	40.3	36.8	38.4	41.9	40.8		38.8			37.2				40.7	41.7
1989	41.1	38.2	36.0	41.6	42.2		38.2			38.7				40.2	
1990	42.2	39.8	36.2	44.3	39.1		38.1			40.3				37.5	
1991	42.4	40.2		44.9	40.1		39.5			38.2	39.5			37.1	
1992	43.7	40.2		46.0	40.2		44.5			37.4	42.2			37.2	
1993	44.5	43.6	40.7	46.0	47.4		43.6			37.5	42.4			37.2	
1994	45.2	42.5	44.2	46.3	46.1		45.8			40.1	42.4			38.3	
1995	45.3	49.5	44.2	44.7	46.6					41.2	42.3			39.1	
1996	45.3	43.3	49.6	43.1	46.6		45.7			40.3	43.3			37.8	
1997	45.8	50.3	50.7	44.9	47.3					40.7	45.8				
1998	45.1	48.5	50.3	44.6	47.5					44.9	46.9				
1999	45.9	47.5	50.6	44.9	47.5					44.5	47.0				
2000	45.4	48.1	50.7	45.4	48.8					43.9	45.8	43.6			
2001	45.8	47.7	50.8	46.5	53.5					46.3	49.1	45.2			
2002	47.1	47.9	53.2	48.1	53.1					45.5		50.4			
2003	47.6	47.2	53.0	48.1	53.0					46.8	46.1	47.8	50.9		
2004	46.8	48.2	53.1	48.5	53.4					46.6	47.8	45.2	51.3		
2005	47.0	48.7	50.2	49.3	50.2					49.0	47.8	48.1	52.0		
2006	47.4	49.4	50.9	48.6	50.4					50.3	47.9	50.2	51.9		48.3
2007	50.5	49.4	50.7	49.1	51.0					50.1	49.9	52.8			48.4

Table N-20

## Laboratory Ton-MPG by Marketing Group, Vehicle Type and Size for All

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	31.9	31.9	33.9	32.1	32.1	32.7	36.1	28.8	26.4	23.3	28.6	28.9	31.1	31.6	28.3
1976	34.8	36.1	36.6	35.0	36.7	36.9	34.9	30.7	28.0	24.0	31.5	31.2	33.1	34.9	30.5
1977	36.4	37.1	35.7	36.2	36.1	36.9	38.9	31.4	32.2	26.1	33.8	33.7	35.4	44.7	32.7
1978	35.6	35.5	37.2	34.6	35.8	37.3	35.0	30.5	31.2	25.2	32.3	32.8	35.9	44.4	32.3
1979	34.6	35.6	36.8	35.0	36.1	36.1	32.9	32.6	28.6	26.7	28.6	29.3	32.2	39.2	32.7
1980	35.8	36.5	39.8	37.6	37.5	43.2	34.4	35.9	37.6	29.3	34.1	37.3	34.5	38.6	37.6
1981	38.2	38.5	42.6	38.2	38.1	44.7	33.8	38.2	38.2	31.4	36.8	39.3	40.5	39.0	38.8
1982	39.6	40.2	42.1	39.6	40.3	42.6	42.1	38.3	37.0	30.0	40.1	52.7	40.4	39.5	40.1
1983	40.8	39.9	40.9	41.5	41.0	43.0	35.7	41.5	37.0	30.2	41.5	48.7	40.6	40.3	39.4
1984	41.4	40.2	41.3	42.1	41.4	43.6	42.8	39.7	36.6	35.6	39.5	45.3	40.1	40.1	38.6
1985	41.8	41.5	42.9	42.2	42.4	45.6	41.9	39.7	36.3	38.0	40.3	44.9	41.6	39.7	38.4
1986	42.4	42.1	44.5	41.3	43.6	48.3	42.6	41.5	40.8	38.2	39.9	44.5	40.9	40.4	39.3
1987	42.5	42.3	44.1	43.2	44.0	48.2	40.3	42.3	39.8	38.3	39.7	46.9	40.9	40.4	39.0
1988	43.3	44.0	45.2	43.3	44.5	49.7	41.9	43.5	41.3	37.9	39.5	46.0	40.1	40.8	40.2
1989	43.3	44.2	44.7	43.7	44.1	48.8	42.5	43.6	40.7	39.4	39.7	47.9	40.0	40.9	40.3
1990	43.5	45.3	45.0	44.9	44.4	49.2	42.6	44.2	40.7	39.1	39.1	47.8	41.2	41.4	40.8
1991	43.7	44.5	46.0	46.1	45.5	50.4	40.7	44.8	41.4	38.1	41.7	45.3	41.8	41.5	41.1
1992	44.2	45.4	46.1	46.5	46.0	51.1	43.5	45.0	43.6	36.7	40.9	43.8	41.2	41.9	42.0
1993	44.6	46.0	46.4	47.1	46.0	50.7	42.9	45.1	43.7	36.6	41.4	46.2	42.7	42.0	42.6
1994	45.4	45.7	46.4	48.1	46.0	51.6	44.0	45.0	43.8	37.1	41.6	46.2	42.0	43.9	42.5
1995	46.2	46.3	46.8	47.8	46.5	51.3	42.1	45.0	44.3	36.3	41.6	46.3	41.5	45.5	42.2
1996	46.1	46.7	47.4	46.7	48.2	52.2	44.8	47.0	44.1	41.4	42.2	47.9	41.4	46.0	43.1
1997	46.2	47.2	46.9	46.8	48.1			46.8	47.6	39.8	43.4	46.9	41.7	45.8	45.4
1998	46.9	48.1	46.5	46.2	48.2			47.7	47.2	41.9	43.3	45.6	42.5	45.1	44.6
1999	46.9	48.1	47.9	46.2	48.6			48.4	45.9	43.0	44.0	45.6	41.8	42.9	45.9
2000	47.0	48.0	48.3	45.5	48.8			49.3	44.8	42.6	43.8	47.6	43.5	43.1	45.1
2001	48.2	48.7	48.1	47.4	50.5			51.3	47.3	43.9	44.7	47.9	44.5	42.1	45.5
2002	48.5	49.3	49.0	46.1	51.1			51.5	45.3	44.4	44.8	48.2	43.5	42.7	46.7
2003	49.3	50.6	49.9	50.1	51.0			52.0	48.9	44.6	46.5	50.2	44.0	44.3	47.1
2004	49.3	52.0	50.1	51.2	51.2	52.4		53.5	51.6	44.8	47.2	50.6	42.9	44.6	49.3
2005	49.8	54.1	51.9	51.8	50.1	53.1		53.3	50.7	44.1	48.4	51.3	52.0	45.1	49.5
2006	51.3	53.9	52.6	51.2	50.2	52.3		54.5	50.3	41.8	50.6	51.2	51.9	45.9	50.2
2007	51.2	57.1	52.7	53.0	51.5	53.5		54.5	54.0	45.8	52.0	53.9	46.2	51.8	

TABLE N-21

## Sales Fraction by Vehicle Type and Size for All

YEAR	Small Cars	Midsize Cars	Large Cars	Small Wagons	Midsize Wagons	Large Wagons	Small Vans	Midsize Vans	Large Vans	Small SUVs	Midsize SUVs	Large SUVs	Small Pickups	Midsize Pickups	Large Pickups
1975	.400	.160	.152	.047	.028	.019		.030	.015	.005	.012	.001	.016	.005	.110
1976	.409	.159	.136	.028	.039	.017		.025	.016	.005	.014	.001	.014	.004	.133
1977	.388	.158	.164	.027	.039	.024		.022	.014	.005	.014	.001	.017	.005	.122
1978	.320	.231	.142	.025	.035	.020		.028	.015	.006	.019	.001	.018	.005	.133
1979	.317	.231	.152	.022	.035	.020	.001	.023	.011	.008	.013	.008	.026	.007	.126
1980	.427	.264	.085	.027	.023	.009	.001	.011	.008	.005	.009	.002	.040	.009	.078
1981	.386	.275	.091	.040	.026	.010	.001	.013	.009	.004	.008	.001	.035	.012	.089
1982	.415	.219	.085	.039	.029	.015	.002	.019	.012	.004	.010	.002	.036	.032	.080
1983	.361	.220	.105	.052	.027	.013	.001	.022	.013	.005	.020	.003	.030	.060	.067
1984	.404	.198	.088	.033	.026	.013	.006	.030	.012	.010	.031	.003	.030	.050	.065
1985	.382	.192	.105	.034	.024	.010	.006	.041	.011	.008	.039	.004	.034	.043	.067
1986	.404	.174	.082	.023	.027	.008	.007	.051	.010	.012	.035	.004	.048	.051	.065
1987	.434	.152	.082	.024	.024	.006	.008	.057	.009	.017	.038	.004	.030	.071	.044
1988	.438	.138	.085	.017	.019	.005	.004	.062	.009	.019	.040	.005	.022	.069	.070
1989	.393	.179	.089	.011	.017	.004	.002	.076	.010	.016	.043	.005	.025	.061	.068
1990	.396	.186	.087	.013	.015	.002	.002	.089	.009	.015	.035	.006	.023	.048	.075
1991	.400	.168	.080	.017	.010	.003	.001	.075	.006	.011	.072	.004	.025	.069	.059
1992	.365	.174	.102	.012	.011	.002	.003	.089	.008	.011	.066	.006	.021	.059	.072
1993	.343	.176	.084	.023	.013	.001	.001	.100	.008	.011	.079	.010	.020	.056	.075
1994	.334	.146	.090	.015	.010	.001	.001	.092	.008	.013	.090	.012	.025	.074	.090
1995	.343	.166	.086	.013	.012	.001		.102	.007	.013	.092	.015	.020	.046	.084
1996	.319	.179	.081	.007	.013	.001		.099	.008	.009	.116	.018	.017	.053	.079
1997	.307	.166	.083	.010	.010			.078	.010	.034	.097	.039	.009	.048	.110
1998	.266	.205	.063	.007	.011			.094	.009	.022	.112	.044	.018	.057	.092
1999	.258	.206	.070	.005	.012			.085	.011	.021	.116	.050	.014	.050	.103
2000	.257	.175	.100	.004	.014			.092	.010	.024	.112	.053	.006	.046	.105
2001	.260	.159	.091	.014	.015			.060	.019	.025	.125	.071	.005	.035	.121
2002	.236	.174	.078	.015	.013			.070	.007	.022	.112	.126	.012	.029	.107
2003	.234	.157	.080	.021	.011			.071	.007	.017	.133	.112	.012	.033	.111
2004	.208	.161	.075	.019	.010	.006		.057	.004	.016	.159	.124	.010	.024	.125
2005	.200	.182	.078	.023	.015	.007		.090	.003	.014	.131	.113	.001	.014	.131
2006	.216	.161	.103	.032	.021	.007		.073	.004	.008	.140	.096		.019	.122
2007	.172	.185	.093	.043	.010	.006		.062	.002	.012	.148	.130		.019	.118