RAILSOLUTIONS, INC.

Railroad Equipment Historical Database

Compilation and Analysis of Historical Market Values and Lease Rental Rates 1991 – 2016

RAILSOLUTIONS, INC.

Railroad Equipment Historical Database

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Historical Database Files By Railcar Type and Locomotive Model

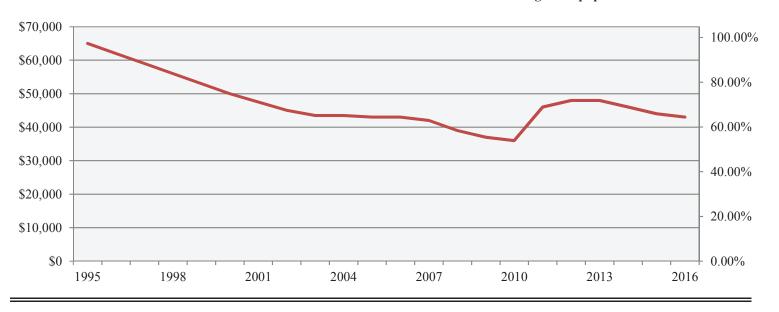
Railcar Types:

- Section 1 Boxcars, General Service, 100–108 Tons Capacity
- Section 2 Small Cubic Capacity Covered Hopper Railcars, 100–110 Tons, 2,900–3,280 Cubic Feet, Gravity Discharge
- Section 3 Covered Hopper Railcars, 100–110 Tons, 4,750–5,161 Cubic Feet, Gravity Discharge, Grain Service
- Section 4 Specialty Covered Hoppers, 100-110 Tons, 5,800-6,250 Cubic Feet, Pneumatic Discharge, Plastic Pellet Service
- Section 5 Covered Hopper Railcars, Pressure Differential, 100-110 Tons
- Section 6 Mill Gondola Railcars, 52–66 Feet (Length), 100-110 Tons, Scrap Steel Service
- Section 7 Open Top Hopper Railcars, Aluminum Body, 112-116 Tons, 4,000-4,200 Cubic Feet, Coal Service
- Section 8 High Side Gondola Railcars, Aluminum Body, 110–122 Tons, 4,400-4,520 Cubic Feet, Coal Service
- Section 9 Center Beam and Bulkhead Flatcars, 100-110 Tons, Lumber and Building Materials Service
- Section 10 General Service Tank Cars, DOT 111A100W1, 100 Tons, 25,500 Gallons, Coiled, Insulated
- Section 11 Pressure Tank Cars, DOT 112J340W, 100 Tons, 33,000 Gallons, Insulated, LPG Service
- Section 12 Specialty Chemical (Acid) Tank Cars, 100 Tons
- Section 13 Autoracks, Bi-Level

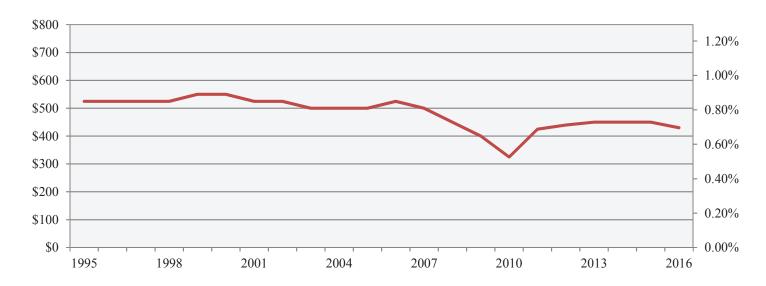
Locomotive Models:

- Section 14 EMD GP38-2 Model Locomotives, Four-Axle, 2,000 Horsepower
- Section 15 EMD SD40-2 Model Locomotives, Six-Axle, 3,000 Horsepower

Section 1 - Boxcars, General Service, 100 - 108 Tons Estimated Then-Current Fair Market Values and FMVs as a Percent of Original Equipment Cost



Section 1 - Boxcars, General Service, 100 - 108 Tons
Estimated Then-Current Fair Market Net Rental Values and Rents as a Percent of Original Equipment Cost



Estimated Then-Current Fair Market Values, Per Unit

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Year Built																										
1985	N/A	N/A	N / A	N / A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	N/A	N / A	N / A						
1986	N/A	N / A	N/A	N / A	N / A	N/A	N / A	N/A	N/A	N/A	N / A	N / A														
1987	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N / A								
1988	53,000	51,000	49,000	47,000	45,000	43,000	41,000	39,000	37,000	35,000	33,000	31,000	31,000	32,000	33,000	34,000	33,000	29,000	26,000	24,000	31,000	32,000	34,000	33,000	32,000	32,000
1989	57,000	54,500	52,000	49,500	47,000	45,000	43,000	41,000	39,000	37,000	35,000	33,000	33,000	32,000	33,000	34,000	33,000	30,000	26,000	25,000	31,000	32,000	34,000	33,000	32,000	32,000
1990	59,500	57,000	54,500	52,000	49,500	47,000	45,000	43,000	41,000	39,000	37,000	35,000	34,000	32,000	33,000	35,000	34,000	31,000	26,000	26,000	32,000	33,000	34,000	34,000	33,000	33,000
1991	62,000	59,500	57,000	54,500	52,000	49,500	47,000	45,000	43,000	41,000	39,000	37,000	35,500	37,000	37,000	37,000	35,000	32,000	27,000	27,000	34,000	35,000	36,000	35,000	34,000	34,000
1992	N / A	62,000	59,500	57,000	54,500	52,000	49,500	47,000	45,000	43,000	41,000	39,000	37,000	36,000	37,000	37,000	35,000	33,000	29,000	29,000	35,000	36,000	38,000	37,000	35,000	36,000
1993	N / A	N/A	63,000	60,500	58,000	55,500	53,000	50,500	48,000	45,500	43,000	41,000	40,000	38,000	38,000	38,000	36,000	33,000	30,000	30,000	39,000	39,000	40,000	39,000	38,000	37,000
1994	N/A	N/A	N / A	64,000	61,500	59,000	56,000	53,000	50,000	47,500	45,000	43,000	42,000	40,000	40,000	40,000	38,000	34,000	32,000	32,000	41,000	42,000	42,000	41,000	39,000	39,000
1995	N / A	N/A	N/A	N/A	65,000	62,000	59,000	56,000	53,000	50,000	47,500	45,000	43,500	42,500	43,000	43,000	42,000	39,000	37,000	36,000	46,000	48,000	48,000	46,000	44,000	43,000
1996	N / A	N/A	N/A	N/A	N/A	65,000	62,000	59,000	56,000	53,000	50,000	47,500	46,000	45,000	45,000	45,000	44,000	41,000	40,000	39,000	48,000	50,000	49,000	48,000	47,000	45,000
1997	N / A	N/A	N / A	N/A	N/A	N / A	65,000	62,000	59,000	56,000	53,000	50,000	49,000	49,000	49,000	48,000	48,000	46,000	43,000	42,000	52,000	53,000	53,000	52,000	50,000	48,000
1998	N / A	N/A	N/A	N/A	N / A	N / A	N / A	65,000	62,000	59,000	56,000	53,000	52,000	52,000	52,000	52,000	50,000	50,000	46,000	45,000	54,000	54,000	54,000	53,000	52,000	50,000
1999	N/A	70,000	67,000	64,000	58,000	57,000	56,000	55,000	56,000	56,000	55,000	51,000	49,000	58,000	58,000	57,000	55,000	54,000	53,000							
2000	N / A	N/A	N / A	N/A	N/A	N / A	N/A	N/A	N / A	70,000	67,000	64,000	61,000	61,000	61,000	61,000	60,000	58,000	53,000	51,000	60,000	60,000	59,000	58,000	56,000	55,000
2001	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N / A	65,000	62,000	62,000	62,000	62,000	62,000	63,000	61,000	55,000	53,000	62,000	63,000	62,000	60,000	59,000	57,000
2002	N / A	N/A	N / A	N/A	N/A	N / A	N/A	N/A	N / A	N/A	N/A	65,000	65,000	65,000	65,000	65,000	63,000	62,000	57,000	55,000	64,000	65,000	64,000	63,000	62,000	60,000
2003	N/A	N/A	N/A	N/A	N / A	N / A	N/A	N/A	N / A	N/A	N / A	N/A	68,000	68,000	68,000	68,000	64,000	63,000	59,000	57,000	66,000	67,000	66,000	65,000	64,000	63,000
2004	N / A	N/A	N / A	N/A	N/A	N / A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	72,000	71,000	71,000	69,000	68,000	63,000	59,000	67,000	69,000	69,000	67,000	67,000	65,000
2005	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N / A	N / A	N/A	N/A	N / A	N / A	80,000	78,000	74,000	72,000	67,000	62,000	69,000	72,000	72,000	72,000	69,000	67,000
2006	N/A	N / A	N/A	N/A	N/A	N/A	N/A	84,000	78,000	76,000	71,000	66,000	74,000	76,000	75,000	74,000	72,000	69,000								
2007	N / A	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	90,000	83,000	77,000	70,000	78,000	80,000	80,000	78,000	76,000	72,000
2008	N / A	N / A	N / A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N / A	90,000	82,000	74,000	82,000	85,000	85,000	83,000	82,000	79,000						
2009	N/A	N/A	N/A	N/A	N / A	N / A																				
2010	N/A	N/A	N/A	N/A	N/A	N / A																				
2011	N/A	108,000	105,000	101,000	98,000	94,000	94,000																			
2012	N / A	N/A	N / A	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	112,000	106,000	104,000	98,000	96,000								
2013	N / A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	114,000	110,000	105,000	101,000						
2014	N / A	N / A	N / A	N/A	N / A	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	120,000	115,000	110,000						
2015	N / A	N / A	N / A	N/A	N / A	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	116,000	112,000						
2016	N/A	N / A	N/A	N/A	N / A	N / A	N/A	N/A	N / A	N / A	N/A	N / A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	N / A	114,000

Estimated Then-Current Fair Market Values, Per Unit, Stated as a Percentage of Original Equipment Cost

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Year Built																										
1985	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A															
1986	N/A	N / A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
1987	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A								
1988	88.3%	85.0%	81.7%	78.3%	75.0%	71.7%	68.3%	65.0%	61.7%	58.3%	55.0%	51.7%	51.7%	53.3%	55.0%	56.7%	55.0%	48.3%	43.3%	40.0%	51.7%	53.3%	56.7%	55.0%	53.3%	53.3%
1989	91.9%	87.9%	83.9%	79.8%	75.8%	72.6%	69.4%	66.1%	62.9%	59.7%	56.5%	53.2%	53.2%	51.6%	53.2%	54.8%	53.2%	48.4%	41.9%	40.3%	50.0%	51.6%	54.8%	53.2%	51.6%	51.6%
1990	96.0%	91.9%	87.9%	83.9%	79.8%	75.8%	72.6%	69.4%	66.1%	62.9%	59.7%	56.5%	54.8%	51.6%	53.2%	56.5%	54.8%	50.0%	41.9%	41.9%	51.6%	53.2%	54.8%	54.8%	53.2%	53.2%
1991	62,000	96.0%	91.9%	87.9%	83.9%	79.8%	75.8%	72.6%	69.4%	66.1%	62.9%	59.7%	57.3%	59.7%	59.7%	59.7%	56.5%	51.6%	43.5%	43.5%	54.8%	56.5%	58.1%	56.5%	54.8%	54.8%
1992	N/A	62,000	96.0%	91.9%	87.9%	83.9%	79.8%	75.8%	72.6%	69.4%	66.1%	62.9%	59.7%	58.1%	59.7%	59.7%	56.5%	53.2%	46.8%	46.8%	56.5%	58.1%	61.3%	59.7%	56.5%	58.1%
1993	N/A	N/A	63,000	96.0%	92.1%	88.1%	84.1%	80.2%	76.2%	72.2%	68.3%	65.1%	63.5%	60.3%	60.3%	60.3%	57.1%	52.4%	47.6%	47.6%	61.9%	61.9%	63.5%	61.9%	60.3%	58.7%
1994	N/A	N/A	N/A	64,000	96.1%	92.2%	87.5%	82.8%	78.1%	74.2%	70.3%	67.2%	65.6%	62.5%	62.5%	62.5%	59.4%	53.1%	50.0%	50.0%	64.1%	65.6%	65.6%	64.1%	60.9%	60.9%
1995	N / A	N/A	N/A	N/A	65,000	95.4%	90.8%	86.2%	81.5%	76.9%	73.1%	69.2%	66.9%	65.4%	66.2%	66.2%	64.6%	60.0%	56.9%	55.4%	70.8%	73.8%	73.8%	70.8%	67.7%	66.2%
1996	N / A	N/A	N/A	N/A	N/A	65,000	95.4%	90.8%	86.2%	81.5%	76.9%	73.1%	70.8%	69.2%	69.2%	69.2%	67.7%	63.1%	61.5%	60.0%	73.8%	76.9%	75.4%	73.8%	72.3%	69.2%
1997	N/A	N/A	N/A	N/A	N/A	N/A	65,000	95.4%	90.8%	86.2%	81.5%	76.9%	75.4%	75.4%	75.4%	73.8%	73.8%	70.8%	66.2%	64.6%	80.0%	81.5%	81.5%	80.0%	76.9%	73.8%
1998	N / A	N/A	N/A	N/A	N/A	N / A	N/A	65,000	95.4%	90.8%	86.2%	81.5%	80.0%	80.0%	80.0%	80.0%	76.9%	76.9%	70.8%	69.2%	83.1%	83.1%	83.1%	81.5%	80.0%	76.9%
1999	N/A	70,000	95.7%	91.4%	82.9%	81.4%	80.0%	78.6%	80.0%	80.0%	78.6%	72.9%	70.0%	82.9%	82.9%	81.4%	78.6%	77.1%	75.7%							
2000	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	70,000	95.7%	91.4%	87.1%	87.1%	87.1%	87.1%	85.7%	82.9%	75.7%	72.9%	85.7%	85.7%	84.3%	82.9%	80.0%	78.6%
2001	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N / A	65,000	95.4%	95.4%	95.4%	95.4%	95.4%	96.9%	93.8%	84.6%	81.5%	95.4%	96.9%	95.4%	92.3%	90.8%	87.7%
2002	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N / A	N / A	65,000	100.0%	100.0%	100.0%	100.0%	96.9%	95.4%	87.7%	84.6%	98.5%	100.0%	98.5%	96.9%	95.4%	92.3%
2003	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N / A	N / A	N / A	68,000	100.0%	100.0%	100.0%	94.1%	92.6%	86.8%	83.8%	97.1%	98.5%	97.1%	95.6%	94.1%	92.6%
2004	N/A	N / A	N/A	N / A	N/A	72,000	98.6%	98.6%	95.8%	94.4%	87.5%	81.9%	93.1%	95.8%	95.8%	93.1%	93.1%	90.3%								
2005	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	80,000	97.5%	92.5%	90.0%	83.8%	77.5%	86.3%	90.0%	90.0%	90.0%	86.3%	83.8%
2006	N / A	N/A	N / A	N / A	N / A	N/A	N / A	N/A	84,000	92.9%	90.5%	84.5%	78.6%	88.1%	90.5%	89.3%	88.1%	85.7%	82.1%							
2007	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	90,000	92.2%	85.6%	77.8%	86.7%	88.9%	88.9%	86.7%	84.4%	80.0%
2008	N / A	N/A	N / A	N / A	N / A	N/A	N/A	N/A	N/A	N / A	90,000	91.1%	82.2%	91.1%	94.4%	94.4%	92.2%	91.1%	87.8%							
2009	N / A	N / A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	N / A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N / A
2010	N / A	N/A	N / A	N/A	N/A	N / A	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A								
2011	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N / A	N / A	N/A	N/A	N / A	N/A	N/A	N / A	N/A	N/A	N/A	108,000	97.2%	93.5%	90.7%	87.0%	87.0%
2012	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N / A	N / A	N / A	N / A	N/A	N / A	N / A	N/A	N / A	N / A	N / A	N / A	N/A	N / A	112,000	94.6%	92.9%	87.5%	85.7%
2013	N / A	N/A	N/A	N / A	N/A	N / A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	114,000	96.5%	92.1%	88.6%
2014	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	N / A	N / A	N/A	N / A	N/A	N/A	N / A	N/A	N/A	120,000	95.8%	91.7%
2015	N / A	N/A	N/A	N / A	N/A	N / A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	116,000	96.6%
2016	N / A	N / A	N/A	N / A	N/A	N / A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	114,000

Estimated Then-Current Fair Market Net Rental Rates, Per Car, Per Month, 3 - 7-Year Lease Term

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2010	2011	2012	2012	2014	2015	2016
V . P %	1991	1992	1993	1994	1995	1990	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2010
Year Built							****							****												
1985	N/A	N / A																								
1986	N/A	N / A																								
1987	N/A	N / A																								
1988	475	475	475	500	500	500	500	500	525	525	450	450	425	425	450	450	425	375	300	250	350	370	380	380	380	360
1989	475	475	475	500	500	500	500	500	525	525	450	450	425	425	450	450	425	375	300	250	350	370	380	380	380	360
1990	475	475	475	500	500	500	500	500	525	525	450	450	425	425	450	450	425	375	300	250	350	370	380	380	380	360
1991	475	475	475	500	500	500	500	500	525	525	450	450	425	425	450	450	425	375	300	250	350	380	390	380	380	360
1992	N/A	475	475	500	500	500	500	500	525	525	450	450	425	450	475	475	450	400	325	275	375	380	400	390	390	380
1993	N/A	N/A	475	500	500	500	500	500	525	525	475	475	425	450	475	475	450	400	325	275	375	390	400	390	390	380
1994	N/A	N/A	N/A	525	525	525	525	525	550	550	525	525	500	500	500	500	475	425	350	300	400	410	420	400	400	390
1995	N/A	N / A	N / A	N/A	525	525	525	525	550	550	525	525	500	500	500	525	500	450	400	325	425	440	450	450	450	430
1996	N/A	N/A	N/A	N/A	N/A	525	550	550	575	575	550	525	500	500	500	525	525	475	425	350	450	460	470	470	470	450
1997	N/A	N/A	N/A	N/A	N/A	N/A	550	550	575	575	550	525	500	500	525	525	525	475	425	350	450	480	490	480	470	460
1998	N/A	N / A	N/A	N / A	N/A	N / A	N/A	550	575	575	550	525	500	500	550	575	550	500	425	375	450	480	490	480	460	460
1999	N/A	575	575	550	525	500	500	550	575	550	500	425	375	450	480	500	480	470	470							
2000	N/A	575	550	525	500	500	550	575	550	500	425	375	475	490	500	490	480	480								
2001	N / A	N/A	N / A	N / A	550	525	500	500	550	575	550	500	425	375	475	490	500	500	480	480						
2002	N / A	N/A	N / A	N / A	N/A	525	500	550	550	575	550	500	425	375	500	510	520	500	500	500						
2003	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N / A	N / A	N/A	N/A	500	550	575	600	575	525	450	400	525	530	540	520	500	500
2004	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	N / A	N / A	N/A	N / A	600	600	625	600	550	475	425	550	560	560	550	550	530
2005	N/A	N / A	N / A	N/A	N / A	N/A	625	650	650	600	525	450	575	580	580	560	550	530								
2006	N / A	N / A	N / A	N / A	N/A	N / A	N / A	N/A	N / A	N / A	N / A	N/A	N / A	N/A	N/A	675	675	625	550	475	600	600	600	580	570	550
2007	N/A	N / A	N / A	N/A	N/A	N/A	N / A	N / A	675	650	550	500	600	610	620	600	580	560								
2008	N/A	N / A	N / A	N / A	N / A	650	550	500	625	630	630	620	620	600												
2009	N/A	N / A	N / A	N / A	N/A	N / A	N/A	N / A	N/A	N / A	N / A	N / A	N/A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	N/A	N/A	N / A
2010	N/A	N / A	N / A	N / A	N/A	N / A	N/A	N / A	N/A	N / A	N / A	N / A	N/A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	N/A	N/A	N / A
2011	N/A	N / A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N / A	N / A	N / A	N/A	N / A	N/A	N/A	N/A	N/A	N / A	725	725	725	730	720	720
2012	N/A	N / A	N/A	N/A	N/A	N / A	N/A	N / A	N / A	N/A	N / A	N/A	N/A	N/A	N / A	730	730	730	720	720						
2013	N/A	N / A	N / A	N/A	N/A	N / A	N/A	N/A	N/A	N / A	N / A	N / A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N/A	N / A	730	730	730	730
2014	N / A	N / A	N / A	N / A	N/A	N / A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	N / A	760	760	750
2015	N / A	N / A	N / A	N / A	N/A	N / A	N/A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N/A	N / A	N / A	N / A	760	760
2016	N/A	N/A	N/A	N / A	N/A	N / A	N/A	N/A	N/A	N / A	N / A	N/A	N / A	N/A	N/A	N/A	N / A	N/A	N/A	N / A	N/A	N / A	N / A	N / A	N / A	780

Estimated Then-Current Fair Market Net Rental Rates, Per Car, Per Month, 3 - 7-Year Lease Term, Stated as a Percentage of Original Equipment Cost

							III CIIL I a		1100 100		3,10100	,	ontin, c	, 1001		in, state	u us u i c	leaninge	or origin		,ment et	,,,,				
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Year Built																										
1985	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1986	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1987	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1988	0.79%	0.79%	0.79%	0.83%	0.83%	0.83%	0.83%	0.83%	0.88%	0.88%	0.75%	0.75%	0.71%	0.71%	0.75%	0.75%	0.71%	0.63%	0.50%	0.42%	0.58%	0.62%	0.63%	0.63%	0.63%	0.60%
1989	0.77%	0.77%	0.77%	0.81%	0.81%	0.81%	0.81%	0.81%	0.85%	0.85%	0.73%	0.73%	0.69%	0.69%	0.73%	0.73%	0.69%	0.60%	0.48%	0.40%	0.56%	0.60%	0.61%	0.61%	0.61%	0.58%
1990	0.77%	0.77%	0.77%	0.81%	0.81%	0.81%	0.81%	0.81%	0.85%	0.85%	0.73%	0.73%	0.69%	0.69%	0.73%	0.73%	0.69%	0.60%	0.48%	0.40%	0.56%	0.60%	0.61%	0.61%	0.61%	0.58%
1991	0.77%	0.77%	0.77%	0.81%	0.81%	0.81%	0.81%	0.81%	0.85%	0.85%	0.73%	0.73%	0.69%	0.69%	0.73%	0.73%	0.69%	0.60%	0.48%	0.40%	0.56%	0.61%	0.63%	0.61%	0.61%	0.58%
1992	N/A	0.77%	0.77%	0.81%	0.81%	0.81%	0.81%	0.81%	0.85%	0.85%	0.73%	0.73%	0.69%	0.73%	0.77%	0.77%	0.73%	0.65%	0.52%	0.44%	0.60%	0.61%	0.65%	0.63%	0.63%	0.61%
1993	N/A	N/A	0.75%	0.79%	0.79%	0.79%	0.79%	0.79%	0.83%	0.83%	0.75%	0.75%	0.67%	0.71%	0.75%	0.75%	0.71%	0.63%	0.52%	0.44%	0.60%	0.62%	0.63%	0.62%	0.62%	0.60%
1994	N/A	N/A	N/A	0.82%	0.82%	0.82%	0.82%	0.82%	0.86%	0.86%	0.82%	0.82%	0.78%	0.78%	0.78%	0.78%	0.74%	0.66%	0.55%	0.47%	0.63%	0.64%	0.66%	0.63%	0.63%	0.61%
1995	N/A	N / A	N/A	N / A	0.81%	0.81%	0.81%	0.81%	0.85%	0.85%	0.81%	0.81%	0.77%	0.77%	0.77%	0.81%	0.77%	0.69%	0.62%	0.50%	0.65%	0.68%	0.69%	0.69%	0.69%	0.66%
1996	N/A	N/A	N/A	N/A	N/A	0.81%	0.85%	0.85%	0.88%	0.88%	0.85%	0.81%	0.77%	0.77%	0.77%	0.81%	0.81%	0.73%	0.65%	0.54%	0.69%	0.71%	0.72%	0.72%	0.72%	0.69%
1997	N/A	N/A	N/A	N/A	N/A	N/A	0.85%	0.85%	0.88%	0.88%	0.85%	0.81%	0.77%	0.77%	0.81%	0.81%	0.81%	0.73%	0.65%	0.54%	0.69%	0.74%	0.75%	0.74%	0.72%	0.71%
1998	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.85%	0.88%	0.88%	0.85%	0.81%	0.77%	0.77%	0.85%	0.88%	0.85%	0.77%	0.65%	0.58%	0.69%	0.74%	0.75%	0.74%	0.71%	0.71%
1999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.82%	0.82%	0.79%	0.75%	0.71%	0.71%	0.79%	0.82%	0.79%	0.71%	0.61%	0.54%	0.64%	0.69%	0.71%	0.69%	0.67%	0.67%
2000	N/A	N/A			N/A					0.82%	0.79%	0.75%	0.71%	0.71%	0.79%	0.82%	0.79%	0.71%	0.61%	0.54%	0.68%	0.70%	0.71%	0.70%	0.69%	0.69%
			N/A	N/A		N/A	N/A	N/A	N/A																	
2001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.85%	0.81%	0.77%	0.77%	0.85%	0.88%	0.85%	0.77%	0.65%	0.58%	0.73%	0.75%	0.77%	0.77%	0.74%	0.74%
2002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.81%	0.77%	0.85%	0.85%	0.88%	0.85%	0.77%	0.65%	0.58%	0.77%	0.78%	0.80%	0.77%	0.77%	0.77%
2003	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.74%	0.81%	0.85%	0.88%	0.85%	0.77%	0.66%	0.59%	0.77%	0.78%	0.79%	0.76%	0.74%	0.74%
2004	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.83%	0.83%	0.87%	0.83%	0.76%	0.66%	0.59%	0.76%	0.78%	0.78%	0.76%	0.76%	0.74%
2005	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.78%	0.81%	0.81%	0.75%	0.66%	0.56%	0.72%	0.73%	0.73%	0.70%	0.69%	0.66%
2006	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.80%	0.80%	0.74%	0.65%	0.57%	0.71%	0.71%	0.71%	0.69%	0.68%	0.65%
2007	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.75%	0.72%	0.61%	0.56%	0.67%	0.68%	0.69%	0.67%	0.64%	0.62%
2008	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.72%	0.61%	0.56%	0.69%	0.70%	0.70%	0.69%	0.69%	0.67%
2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	0.67%	0.67%	0.67%	0.68%	0.67%	0.67%
2012	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.65%	0.65%	0.65%	0.64%	0.64%
2013	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	0.64%	0.64%	0.64%	0.64%
2014	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	0.63%	0.63%	0.63%
2015	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	N/A	N/A	N/A	N/A	0.66%	0.66%
2016	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N / A	0.68%
2010	IN / A	IN / A	IN / A	N/A	IN / A	IN / A	IN / A	IN / A	IN / A	IN / A	IN / A	N/A	IN / A	IN / A	IN / A	IN / A	IN / A	N/A	IN / A	IN / A	IN / A	IN / A	IN / A	IN / A	IN / A	U.0870