

LRP vs Futures
% of time LRP Payment Calculation is < Futures Close

LRP is < Futures																					'13-'20	'16-'20	'18-'20	
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
1	71.43%	90.48%	65.00%	80.00%	100.00%	95.00%	100.00%	75.00%	59.09%	100.00%	57.14%	52.38%	100.00%	45.00%	100.00%	50.00%	47.62%	90.48%	90.91%	100.00%	78.45%	72.12%	75.73%	76.56%
2	47.37%	52.63%	47.37%	47.37%	73.68%	57.89%	85.00%	36.84%	89.47%	100.00%	50.00%	21.05%	100.00%	52.63%	85.00%	31.58%	36.84%	52.63%	47.37%	94.74%	60.57%	53.59%	51.04%	45.61%
3	100.00%	85.71%	13.04%	81.82%	56.52%	100.00%	95.00%	90.91%	56.52%	100.00%	40.91%	100.00%	71.43%	22.73%	100.00%	0.00%	47.62%	100.00%	50.00%	100.00%	69.95%	60.47%	58.72%	65.63%
4	54.55%	80.95%	71.43%	85.71%	84.21%	100.00%	95.45%	85.71%	95.24%	100.00%	95.00%	77.27%	47.62%	100.00%	85.71%	52.63%	71.43%	81.82%	95.24%	99.52%	79.52%	68.82%	64.76%	61.54%
5	31.82%	100.00%	45.00%	33.33%	68.18%	54.55%	42.86%	85.00%	38.10%	38.10%	77.27%	72.73%	95.24%	85.00%	100.00%	100.00%	100.00%	95.45%	40.00%	80.00%	69.27%	86.47%	87.85%	79.69%
6	20.00%	33.33%	27.27%	31.82%	45.45%	38.10%	38.10%	40.91%	54.55%	36.36%	47.62%	40.00%	100.00%	13.64%	72.73%	40.91%	47.62%	35.00%	50.00%	45.45%	42.99%	50.00%	49.53%	44.44%
7	0.00%	45.45%	14.29%	50.00%	20.00%	33.33%	26.09%	63.64%	46.15%	57.14%	4.76%	4.55%	40.91%	36.36%	5.00%	10.42%	24.29%	54.55%	28.57%	32.02%	30.99%	33.33%	50.77%	
8	0.00%	38.10%	0.00%	13.04%	21.74%	43.48%	19.05%	0.00%	14.81%	4.35%	0.00%	0.00%	4.76%	19.05%	0.00%	0.00%	52.17%	0.00%	0.00%	12.08%	9.66%	10.71%	18.18%	
9	25.00%	38.10%	0.00%	0.00%	0.00%	52.63%	0.00%	19.05%	0.00%	27.27%	78.95%	0.00%	76.19%	19.05%	0.00%	10.00%	68.42%	80.00%	14.29%	0.00%	24.82%	33.13%	33.66%	53.33%
10	17.39%	69.57%	0.00%	19.05%	27.27%	21.74%	0.00%	58.33%	42.86%	23.81%	36.36%	17.39%	0.00%	0.00%	4.76%	59.09%	0.00%	91.30%	0.00%	#DIV/0!	26.00%	21.79%	31.53%	30.88%
11	100.00%	78.95%	9.52%	100.00%	47.62%	80.95%	78.95%	80.77%	100.00%	61.90%	52.38%	100.00%	78.95%	30.00%	38.10%	23.81%	47.62%	100.00%	5.00%	#DIV/0!	63.87%	52.47%	42.72%	50.82%
12	71.43%	63.64%	52.38%	71.43%	45.00%	90.00%	90.91%	84.62%	87.50%	66.67%	65.00%	80.95%	36.36%	86.36%	100.00%	65.00%	65.00%	100.00%	66.67%	#DIV/0!	73.37%	75.00%	79.44%	77.27%

LRP w/in \$1.25																					'13-'20	'16-'20	'18-'20	
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
1	100.00%	100.00%	90.00%	100.00%	100.00%	100.00%	100.00%	85.00%	72.73%	100.00%	85.71%	80.95%	100.00%	60.00%	100.00%	60.00%	66.67%	100.00%	95.45%	100.00%	89.83%	83.03%	84.47%	87.50%
2	84.21%	94.74%	63.16%	68.42%	94.74%	100.00%	100.00%	73.68%	94.74%	100.00%	90.00%	42.11%	100.00%	57.89%	100.00%	47.37%	63.16%	94.74%	68.42%	100.00%	81.98%	71.90%	75.00%	75.44%
3	100.00%	95.24%	39.13%	86.36%	73.91%	100.00%	100.00%	100.00%	73.91%	100.00%	81.82%	100.00%	76.19%	45.45%	100.00%	4.35%	80.95%	100.00%	59.09%	100.00%	80.28%	69.77%	67.89%	79.69%
4	63.64%	100.00%	85.71%	95.24%	100.00%	100.00%	100.00%	95.24%	100.00%	100.00%	100.00%	100.00%	52.38%	100.00%	100.00%	57.89%	76.19%	100.00%	45.45%	95.24%	88.33%	79.41%	76.19%	73.85%
5	59.09%	100.00%	50.00%	66.67%	86.36%	100.00%	52.38%	95.00%	61.90%	52.38%	100.00%	95.45%	100.00%	100.00%	100.00%	100.00%	100.00%	50.00%	95.00%	83.45%	93.53%	90.65%	84.38%	
6	55.00%	76.19%	45.45%	68.18%	59.09%	61.90%	80.95%	72.73%	81.82%	54.55%	47.62%	50.00%	100.00%	45.45%	81.82%	50.00%	61.90%	65.00%	63.64%	45.45%	63.32%	64.71%	64.49%	63.49%
7	13.64%	68.18%	52.38%	75.00%	50.00%	85.71%	56.52%	81.82%	84.62%	71.43%	19.05%	22.73%	40.91%	77.27%	40.00%	45.00%	28.57%	90.91%	95.45%	38.10%	57.31%	55.56%	60.95%	72.31%
8	4.55%	52.38%	36.36%	43.48%	43.48%	55.22%	47.62%	28.57%	18.52%	26.09%	13.04%	22.73%	9.52%	28.57%	8.70%	8.70%	52.17%	4.55%	33.33%	18.18%	28.19%	21.02%	21.43%	30.30%
9	30.00%	66.67%	0.00%	0.00%	5.00%	57.89%	0.00%	66.67%	0.00%	50.00%	84.21%	10.00%	76.19%	42.86%	0.00%	30.00%	78.95%	100.00%	33.33%	5.26%	36.25%	46.01%	47.52%	70.00%
10	21.74%	86.96%	9.52%	57.14%	50.00%	78.26%	8.70%	87.50%	52.38%	33.33%	40.91%	21.74%	13.04%	40.91%	9.52%	68.18%	21.74%	100.00%	31.82%	#DIV/0!	44.21%	38.55%	46.85%	51.47%
11	100.00%	100.00%	33.33%	100.00%	85.71%	95.24%	84.21%	100.00%	100.00%	61.90%	61.90%	100.00%	100.00%	35.00%	47.62%	28.57%	47.62%	100.00%	15.00%	#DIV/0!	73.54%	58.64%	47.57%	54.10%
12	80.95%	100.00%	66.67%	100.00%	90.00%	100.00%	100.00%	100.00%	100.00%	91.67%	75.00%	100.00%	59.09%	95.45%	100.00%	80.00%	85.00%	100.00%	100.00%	#DIV/0!	91.04%	90.12%	93.46%	95.45%

LRP w/in \$2.50																					'13-'20	'16-'20	'18-'20	
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
1	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	95.00%	90.91%	100.00%	100.00%	100.00%	100.00%	75.00%	100.00%	95.00%	100.00%	100.00%	95.45%	100.00%	97.58%	95.76%	98.06%	98.44%
2	100.00%	100.00%	78.95%	94.74%	100.00%	100.00%	100.00%	94.74%	94.74%	100.00%	100.00%	73.68%	100.00%	63.16%	100.00%	47.37%	84.21%	100.00%	84.21%	100.00%	90.86%	81.70%	83.33%	89.47%
3	100.00%	100.00%	73.91%	100.00%	78.26%	100.00%	100.00%	100.00%	95.65%	100.00%	95.45%	100.00%	76.19%	68.18%	100.00%	26.09%	90.48%	100.00%	68.18%	100.00%	88.30%	77.91%	76.15%	85.94%
4	81.82%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	66.67%	100.00%	100.00%	89.47%	95.24%	100.00%	45.45%	100.00%	93.81%	87.06%	85.71%	80.00%
5	77.27%	100.00%	55.00%	80.95%	100.00%	100.00%	57.14%	100.00%	66.67%	61.90%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	55.00%	95.00%	87.71%	94.71%	91.59%	85.94%	
6	75.00%	95.24%	63.64%	81.82%	59.09%	71.43%	85.71%	100.00%	100.00%	68.18%	57.14%	60.00%	100.00%	59.09%	100.00%	59.09%	61.90%	80.00%	68.18%	45.45%	74.53%	73.53%	73.83%	69.84%
7	31.82%	86.36%	71.43%	90.00%	75.00%	90.48%	69.57%	86.36%	96.15%	80.95%	47.62%	59.09%	40.91%	77.27%	80.00%	45.00%	42.86%	95.45%	100.00%	42.86%	70.77%	67.84%	73.33%	80.00%
8	18.18%	66.67%	45.45%	43.48%	43.48%	82.61%	47.62%	61.90%	29.63%	39.13%	26.09%	45.45%	14.29%	42.86%	21.74%	21.74%	60.87%	9.09%	61.90%	27.27%	40.27%	34.66%	34.82%	43.94%
9	40.00%	76.19%	4.76%	42.86%	20.00%	84.21%	23.81%	95.24%	0.00%	63.64%	94.74%	25.00%	100.00%	52.38%	4.76%	55.00%	84.21%	100.00%	47.62%	10.53%	50.61%	58.28%	57.43%	76.67%
10	56.52%	100.00%	19.05%	80.95%	59.09%	100.00%	39.13%	100.00%	76.19%	42.86%	40.91%	30.43%	26.09%	40.91%	23.81%	72.73%	34.78%	100.00%	31.82%	#DIV/0!	56.97%	45.25%	53.15%	55.88%
11	100.00%	100.00%	61.90%	100.00%	100.00%	100.00%	89.47%	100.00%	100.00%	66.67%	80.95%	100.00%	100.00%	55.00%	66.67%	33.33%	52.38%	100.00%	20.00%	#DIV/0!	80.41%	65.43%	54.37%	57.38%
12	85.71%	100.00%	71.43%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	90.00%	100.00%	81.82%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	#DIV/0!	96.37%	97.67%	100.00%	100.00%

LRP w/in \$5.00																					'13-'20	'16-'20	'18-'20	
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
1	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
2	100.00%	100.00%	89.47%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	52.63%	100.00%	100.00%	100.00%	100.00%	97.13%	94.12%	90.63%	100.00%
3	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	90.48%	100.00%	100.00%	100.00%	100.00%	100.00%	81.82%	100.00%	97.71%	94.19%	92.66%	93.75%
4	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	90.48%	100.00%	100.00%	100.00%	100.00%	100.00%	54.55%	100.00%	97.14%	92.94%	90.48%	84.62%
5	100.00%	100.00%	60.00%	100.00%	100.00%	100.00%	76.19%	100.00%	85.71%	80.95%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	100.00%	94.33%	97.65%	96.26%	93.75%	
6	80.00%	100.00%	100.00%	100.00%	68.18%	85.71%	100.00%	100.00%	100.00%	77.27%	61.90%	90.00%	100.00%	100.00%	100.00%	86.36%	76.19%	95.00%	95.45%	54.55%	88.55%	92.94%	90.65%	88.89%
7	68.18%	100.00%	80.95%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	90.48%	95.24%	90.91%	59.09%	95.45%	100.00%	45.00%	42.86%	100.00%	100.00%	61.90%	86.77%	79.53%	78.10	