

Source	Product		Illinois Destinations			New Jersey Destinations <sup>2</sup>			London Destinations			Madrid Destination		Marseille Destination		Zurich Destination		Milan Destination		Frankfurt Destination		Singapore Destination	Hong Kong Destination
	Exchange	Product	Initial Offer for First Data Center (DC)			Initial Offer for First DC	Each Add'l		Initial Offer for First DC	Each Add'l	Cost for 1 DC in NJ, London	Initial Offer for First DC	Cost for 1 DC in NJ, Lon, MAD	Initial Offer for First DC	Cost for 1 DC in NJ, Lon, MRS	Initial Offer for First DC	Cost for 1 DC in NJ, Lon, ZH4	Initial Offer for First DC	Cost for 1 DC in NJ, Lon, I.Net	Initial Offer for First DC	Cost for 1 DC in NJ, Lon, FR		
Illinois Sources <sup>A</sup>	CME Group	Equity Index Futures	\$4,200 for all CME channels			=\$10,600	+\$2,100		=\$7,900	+\$1,600	=\$18,500	=\$2,600	=\$21,100	=\$2,600	=\$21,100	=\$2,500	=\$21,000	=\$2,500	=\$21,000	=\$5,200	=\$23,700		
		Small Cap Equity Index Futures				=\$10,600	+\$2,100		=\$7,900	+\$1,600	=\$18,500												
		NonDollar Index Equity Futures				=\$5,300	+\$1,100		=\$3,900	+\$800	=\$9,200	=\$2,600	=\$11,800	=\$2,600	=\$11,800	=\$2,500	=\$11,700	=\$2,500	=\$11,700	=\$5,200	=\$14,400		
		Gov't Bond Futures				=\$10,600	+\$2,100		=\$7,900	+\$1,600	=\$18,500	=\$2,600	=\$21,100	=\$2,600	=\$21,100	=\$2,500	=\$21,000	=\$2,500	=\$21,000	=\$5,200	=\$23,700		
		FX Futures				=\$10,600	+\$2,100		=\$7,900	+\$1,600	=\$18,500	=\$2,600	=\$21,100	=\$2,600	=\$21,100	=\$2,500	=\$21,000	=\$2,500	=\$21,000	=\$5,200	=\$23,700		
		Energy Futures				=\$6,400	+\$1,300		=\$5,000	+\$1,000	=\$11,400	=\$2,600	=\$14,000	=\$2,600	=\$14,000	=\$2,500	=\$13,900	=\$2,500	=\$13,900	=\$5,200	=\$16,600		
		Metal Futures				=\$6,400	+\$1,300		=\$5,000	+\$1,000	=\$11,400	=\$2,600	=\$14,000	=\$2,600	=\$14,000	=\$2,500	=\$13,900	=\$2,500	=\$13,900	=\$5,200	=\$16,600		
	TheICE	Equity Index Futures	\$4,200 for both ICE channels			=\$6,400	+\$1,300		=\$5,000	+\$1,000	=\$11,400												
		Energy Futures				=\$8,500	+\$1,700		=\$7,000	+\$1,400	=\$15,500												
	Exchange	Product	Initial Offer for First DC	Each Add'l		Initial Offer for First DC	Each Add'l		Initial Offer for First DC	Each Add'l	Cost for 1 DC in NY4, London												
New Jersey Source <sup>A</sup>	NASDAQ	Select ETFs	=\$10,600	+\$2,100		=\$3,200	+\$3,200		=\$2,000	+\$400	=\$5,200												
		eSpeed Cash Treasuries	=\$10,600	+\$2,100		=\$5,300	+\$5,300		=\$2,900	+\$600	=\$8,200												
	Exchange	Product	Initial Offer for First DC	Each Add'l	Cost for 1 DC in London, NJ, & IL	Initial Offer for First DC	Each Add'l	Cost for 1 DC in London, NJ	Initial Offer for First DC	Each Add'l		Initial Offer for First DC		Initial Offer for First DC		Initial Offer for First DC		Initial Offer for First DC		Initial Offer for First DC			
London Sources <sup>B,3</sup>	TheICE (LIFFE)	Equity Index Futures				+£2,000	+£400	=£5,200	=£3,200	+£3,200													
		Gov't Bond Futures				+£1,400	+£300	=£4,600	=£3,200	+£3,200		=£2,100		=£2,100		=£2,100		=£2,100		=£4,200			
	Euronext	Equity Index Futures				+£900	+£200	=£4,100	=£3,200	+£3,200													
	LME <sup>6</sup>	Metals Futures	+£4,000	+£800	=£8,500	+£1,400	+£300	=£4,500	=£3,100	+£3,100		=£2,100		=£5,000		=£5,000		=£5,000		=£4,100			
	Exchange	Product	Initial Offer for First DC	Each Add'l	Cost for 1 DC in London, NJ, & IL	Initial Offer for First DC	Each Add'l	Cost for 1 DC in London, NJ	Initial Offer for First DC	Each Add'l		Initial Offer for First DC		Initial Offer for First DC		Initial Offer for First DC		Initial Offer for First DC		Initial Offer for First DC			
Frankfurt Source <sup>C,4</sup>	Eurex	Equity Index Futures	+€4,600	+€900	=€17,500	+€6,000	+€1,200	=€12,900	=€6,900	+€1,400		=€6,900		=€6,900									
		Gov't Bond Futures	+€4,600	+€900	=€17,500	+€6,000	+€1,200	=€12,900	=€6,900	+€1,400		=€6,900		=€6,900									
	Exchange	Product																			Initial Offer for First DC	Initial Offer for First DC	
Tokyo Source <sup>D,5</sup>	OSE	Equity Index Futures																			=¥1,400,000	=¥700,000	

Footnotes	Data at Source/ Fiber Arbitration/ RF Protected Service	Legend
<p><sup>1</sup> Discount available for companies under 100 employees</p> <p><sup>2</sup> Mahwah Surcharge = \$2,200/product MRC, £1,600/product or €1,800/product</p> <p><sup>3</sup> London sourced products priced in GBP</p> <p><sup>4</sup> Eurex Equity Futures and Bond Futures priced in Euro</p> <p><sup>5</sup> Osaka Equity Futures priced in Yen</p> <p><sup>6</sup> LME offered as 3-Month rolling contract</p>	<p>A MRC for each additional data is \$1,100/product</p> <p>B MRC for each additional data is £800/product</p> <p>C MRC for each additional data is €900/product</p> <p>D MRC for each additional data is ¥123,000/product</p>	<p><b>Contents</b>    <b>Meaning</b></p> <p>=\$10,600    The "-" in front of \$10,600 means that the MRC of this product in this data center (DC) is \$10,600.</p> <p>+\$10,600    The "+" in front of \$10,600 means the MRC is \$10,600 above the cost of the region closer to the source.</p> <p style="text-align: right;"><b>Pricing as of August 1, 2018</b></p>

Quincy Data Microwave Market Data Products

Source	Product		Illinois Destinations	New Jersey Destinations	London Destinations	Madrid Destination	Marseille Destination	Zurich Destination	Milan Destination	Frankfurt Destination	Singapore Destination	Hong Kong Destination	
Exchange	Product	Instruments within Chicago	Instruments Chicago to New Jersey	Instruments Chicago to London	Instruments Chicago to Madrid	Instruments Chicago to Marseille	Instruments Chicago to Zurich	Instruments Chicago to Milan	Instruments Chicago to Frankfurt	Instruments Japan to Singapore	Instruments Japan to Hong Kong		
Illinois Sources	CME Group	Equity Index Futures	SP500, NASD100, DJIA, SP400	SP500, NASD100, DJIA, SP400	SP500, NASD100, DJIA, SP400	SP500	SP500	SP500	SP500	SP500			
		Small Cap Equity Index Futures	R2K	R2K	R2K								
		NonDollar Equity Index Futures	Nik225	Nik225	Nik225	Nik225	Nik225	Nik225	Nik225	Nik225	Nik225		
		Gov't Bond Futures	2YR, 5YR, 10YR, 10YR ULTRA, 30YR, 30YR ULTRA	2YR, 5YR, 10YR, 10YR ULTRA, 30YR, 30YR ULTRA	2YR, 5YR, 10YR, 10YR ULTRA, 30YR, 30YR ULTRA	10YR	10YR	10YR	10YR	10YR	10YR		
		FX Futures	EUR, YEN, GBP, AUD, CAD, CHF, MXN, NZ	EUR, YEN, GBP, AUD, CAD, CHF, MXN, NZ	EUR, YEN, GBP, AUD, CAD, CHF, MXN, NZ	EUR, GBP	EUR, GBP	EUR, GBP	EUR, GBP	EUR, GBP	EUR, GBP		
		Energy Futures	WTI, Nat Gas	WTI, Nat Gas	WTI, Nat Gas	WTI, Nat Gas	WTI, Nat Gas	WTI, Nat Gas	WTI, Nat Gas	WTI, Nat Gas	WTI, Nat Gas		
	Metal Futures	Gold, Silver, Copper	Gold, Silver, Copper	Gold, Silver, Copper	Gold, Silver, Copper	Gold, Silver, Copper	Gold, Silver, Copper	Gold, Silver, Copper	Gold, Silver, Copper	Gold, Silver, Copper			
	ICE	Equity Index Futures	EM, EAFE	EM, EAFE	EM, EAFE								
Energy Futures		Brent	Brent	Brent									
	Exchange	Product	Instruments New Jersey to Chicago	Instruments Chicago to New Jersey	Instruments Chicago to London								
New Jersey Source	NASDAQ	Select ETFs	SPY, IWM, EEM, QQQ, GLD, EFA, DIA, TLT	SPY, IWM, EEM, QQQ, GLD, EFA, DIA, TLT	SPY, IWM, EEM, QQQ, GLD, EFA, DIA, TLT								
		eSpeed Cash Treasuries	2YR, 3YR, 5YR, 7YR, 10YR, and 30YR	2YR, 3YR, 5YR, 7YR, 10YR, and 30YR	2YR, 3YR, 5YR, 7YR, 10YR, and 30YR								
	Exchange	Product	Instruments London to Chicago	Instruments London to New Jersey	Instruments in London Local	Instruments London to Madrid	Instruments London to Marseille	Instruments London to Zurich	Instruments London to Milan	Instruments London to Frankfurt			
London Sources	ICE (LIFFE)	Equity Index Futures		FTSE 100	FTSE 100								
		Gov't Bond Futures		Long Gilt	Long Gilt	Long Gilt	Long Gilt	Long Gilt	Long Gilt	Long Gilt			
	Euronext	Equity Index Futures		CAC40, AEX25	CAC40, AEX25								
	LME	Metals Futures	3-Month CA	3-Month CA, AH, SN, ZS, NI, PB	3-Month CA, AH, SN, ZS, NI, PB	3-Month CA, AH, SN, ZS, NI, PB	3-Month CA, AH, SN, ZS, NI, PB	3-Month CA, AH, SN, ZS, NI, PB	3-Month CA, AH, SN, ZS, NI, PB	3-Month CA, AH, SN, ZS, NI, PB			
	Exchange	Product	Instruments Frankfurt to Chicago	Instruments Frankfurt to New Jersey	Instruments Frankfurt to London	Instruments Frankfurt to Madrid	Instruments Frankfurt to Marseille						
Frankfurt Source	Eurex	Equity Index Futures	EuroStoxx	EuroStoxx, Dax EuroStoxx Banks	EuroStoxx, Dax, EuroStoxx Banks	EuroStoxx, Dax, EuroStoxx Banks	EuroStoxx, Dax, EuroStoxx Banks						
		Gov't Bond Futures	Bund	Bund, Bobl, Shatz	Bund, Bobl, Shatz	Bund, Bobl, Shatz	Bund, Bobl, Shatz						
	Exchange	Product									Instruments Tokyo to Singapore	Instruments Tokyo to Hong Kong	
Tokyo Source	OSE	Equity Index Futures									Nikkei 225, Nikkei 225 mini, Topix	Nikkei 225, Nikkei 225 mini, Topix	