

Source	Product		Illinois Destinations			New Jersey Destinations <sup>2</sup>			London Destinations			Madrid Destination		Marseille Destination		Zurich Destination		Milan Destination		Frankfurt Destination		Dubai 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	Cost for 1 DC in Dubai		
Illinois Sources <sup>A</sup>	CME Group	Equity Index Futures	\$4,300 for all CME channels			=\$10,900	+\$2,200		=\$8,200	+\$1,700	=\$19,100	+\$2,700	=\$21,800	+\$2,700	=\$21,800	+\$2,700	=\$21,700	+\$2,700	=\$21,700	+\$5,300	=\$24,400			
		Small Cap Equity Index Futures				=\$10,900	+\$2,200		=\$8,200	+\$1,700	=\$19,100													
		NonDollar Index Equity Futures				=\$5,500	+\$1,100		=\$4,000	+\$800	=\$9,500	+\$2,700	=\$12,200	+\$2,700	=\$12,200	+\$2,700	=\$12,100	+\$2,700	=\$12,100	+\$5,300	=\$14,800			
		Gov't Bond Futures				=\$10,900	+\$2,200		=\$8,200	+\$1,700	=\$19,100	+\$2,700	=\$21,800	+\$2,700	=\$21,800	+\$2,700	=\$21,700	+\$2,700	=\$21,700	+\$5,300	=\$24,400			
		FX Futures				=\$10,900	+\$2,200		=\$8,200	+\$1,700	=\$19,100	+\$2,700	=\$21,800	+\$2,700	=\$21,800	+\$2,700	=\$21,700	+\$2,700	=\$21,700	+\$5,300	=\$24,400			
		Energy Futures				=\$6,600	+\$1,300		=\$5,100	+\$1,100	=\$11,700	+\$2,700	=\$14,400	+\$2,700	=\$14,400	+\$2,700	=\$14,300	+\$2,700	=\$14,300	+\$5,300	=\$17,000			
	Metal Futures				=\$6,600	+\$1,300		=\$5,100	+\$1,100	=\$11,700	+\$2,700	=\$14,400	+\$2,700	=\$14,400	+\$2,700	=\$14,300	+\$2,700	=\$14,300	+\$5,300	=\$17,000		=\$10,000		
	TheICE	Equity Index Futures	\$4,300 for both ICE channels			=\$6,600	+\$1,300		=\$5,100	+\$1,100	=\$11,700													
		Energy Futures				=\$8,700	+\$1,700		=\$7,200	+\$1,500	=\$15,900													
	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	=\$10,900	+\$2,200		=\$3,300	+\$3,300		=\$2,000	+\$400	=\$5,300													
		eSpeed Cash Treasuries	=\$10,900	+\$2,200		=\$5,500	+\$5,500		=\$3,000	+\$600	=\$8,500													
	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	=£5,300	=£3,300	+£3,300														
		Gov't Bond Futures				+£1,500	+£300	=£4,800	=£3,300	+£3,300			=£2,200		=£2,200		=£2,200		=£2,200		=£4,400			
	Euronext	Equity Index Futures				+£1,000	+£200	=£4,300	=£3,300	+£3,300														
	LME <sup>6</sup>	Metals Futures	+£4,100	+£800	=£8,700	+£1,400	+£300	=£4,600	=£3,200	+£3,200			=£2,200		=£5,200		=£5,200		=£5,200		=£4,200			
	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										
Frankfurt Source <sup>C,4</sup>	Eurex	Equity Index Futures	+€4,800	+€1,000	=€18,100	+€6,200	+€1,300	=€13,300	=€7,100	+€1,400			=€7,100		=€7,100									
		Gov't Bond Futures	+€4,800	+€1,000	=€18,100	+€6,200	+€1,300	=€13,300	=€7,100	+€1,400			=€7,100		=€7,100									
	Exchange	Product																				Initial Offer for First DC	Initial Offer for First DC	
Tokyo Source	OSE	Equity Index Futures																				=¥1,442,000	=¥721,000	

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, £1,700/product or €2,000/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 ¥124,100/product</p>	<p><b>Contents Meaning</b></p> <p>=\$10,900 The "=" in front of \$10,900 means that the MRC of this product in this data center (DC) is \$10,900.</p> <p>+\$10,900 The "+" in front of \$10,900 means the MRC is \$10,900 above the cost of the region closer to the source.</p> <p style="text-align: right;"><b>Pricing as of April 24, 2019</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	Dubai 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 London to Dubai	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, YEN, GBP	EUR, YEN, GBP	EUR, YEN, GBP	EUR, YEN, GBP	EUR, YEN, GBP	EUR, YEN, 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	Gold, Silver	
	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 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			
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, FTSE China 50, Taiex