

#### IMPLEMENTATION EFFICIENCY: Shining the spotlight on two areas where good investment ideas can be undone

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Why implementation efficiency is a 'hot' topic

CGT in multi-manager equity portfolios – the "What Should Managers Manage?" problem

The need for centralised portfolio management & evidence of tax savings

How to measure equity trading costs and trading efficiency

Evidence of the cost of inefficient trading & portfolios most at risk

Close & panel discussion

#### **IMPLEMENTATION EFFICIENCY – A 'HOT' TOPIC**

- Super adequacy issues
- Difficult investment conditions
- Quality return source
- Business scale v custom member/investor solutions

#### **CGT IN MULTI-MANAGER PORTFOLIOS**

		Equity	Manager's	s Sleeve \	/iew		Whole of Portfolio View					
Gain/loss on proposed trade	Holding Period	Short Gains Available?	Long Gains Available?	Losses Available?	Expected CGT Impact	Expected Aftertax Return	Short Gains Available?	Long Gains Available?	Losses Available?	Real CGT Impact	Real Aftertax Return	Manager's Return Misstatement
\$1,000	10 months			Y	0	\$1,000			Ν	\$150	\$850	\$150
\$1,000	10 months			Ν	\$150	\$850			Y	\$0	\$1,000	(\$150)
\$1,000	3 years			Y	\$0	\$1,000			Ν	\$100	\$900	\$100
\$1,000	10 months			Ν	\$100	\$900			Y	0	\$1,000	(\$100)
(\$1,000)	3 years	Ν	Y		(\$100)	(\$900)	Y	Ν		(\$150)	(\$850)	(\$50)
(\$1,000)	10 months	Y	Ν		(\$150)	(\$850)	Ν	Y		(\$100)	(\$900)	\$50

Source: Parametric 2014, excerpted from "What Should Managers Manage", Parametric Research 2014

## CREATING A CENTRALISED PORTFOLIO MANAGEMENT APPROACH

#### **Traditional MM Structure**



#### **Centralised Portfolio Manager**



#### **EVIDENCE OF TAX SAVINGS FROM CENTRALISING**



Source: Parametric, excerpted from "The Road To Reward", Parametric Research 2015. Hypothetical results are for illustrative purposes only, do not represent the actual returns for any investor or client and may not be relied upon for investment decisions. Actual portfolio returns will vary. All investments are subject to loss.

#### HOW TO MEASURE EQUITY TRADING COSTS AND TRADING EFFICIENCY

#### TWO DIMENSIONS OF TRADING EFFICIENCY



## EVIDENCE OF THE COST OF INEFFICIENT TRADING AND PORTFOLIOS MOST AT RISK - AEQ

Table 1. Cost of trading Australian equities								
			Trading Costs					
Portfolio Traded	Order Size (MDV)*		Explicit Costs	Implicit Costs	Total Costs			
	(%)		(bps)	(bps)	(bps)			
Panel A. Trade Slice of ASX 200 index								
\$100 mln slice	2.4%		5	16	21			
\$250 mln slice	5.9%		5	25	30			
\$500 mln slice	11.8%		5	33	38			
\$1 bln slice	23.6%		5	43	48			
Panel B. Trade Active portfolio that invests in every fifth stock in ASX 200 index (sorted by cap)								
\$100 mln slice (Cap-wt)	12.7%		5	32	37			
\$100 mln slice (Equal-wt)	62.9%		5	61	66			
* Order Size is measured as % of 21-day median trading volume (MDV) to fill the order								

Source: Parametric, excerpted from "Under the Spotlight: How much does it cost to trade equities?", forthcoming Parametric Research 2016.

# EVIDENCE OF THE COST OF INEFFICIENT TRADING AND PORTFOLIOS MOST AT RISK - IEQ

Table 2. Costs of trading International (Developed ex Australia) equities								
			Trading Costs					
Portfolio Traded	Order Size (MDV)*		Explicit Costs	Implicit Costs	Total Costs			
	(%)		(bps)	(bps)	(bps)			
Panel A. Trade Slice of MSCI World ex Australia index								
\$500 mln slice	0.2%		5	6	11			
\$1 bln slice	0.5%		5	8	13			
\$2.5 bln slice	1.2%		5	14	19			
\$5 bln slice	2.4%		5	21	26			
Panel B. Trade Active portfolio that invests in every fifth stock in MSCI World ex Australia index (sorted by cap)								
\$500 mln slice (Cap-wt)	1.2%		5	14	19			
\$500 mln slice (Equal-wt)	3.4%		5	20	25			
* Order Size is measured as % of 21-day median trading volume (MDV) to fill the order								

Source: Parametric, excerpted from "Under the Spotlight: How much does it cost to trade equities?", forthcoming Parametric Research 2016.

## **EVIDENCE OF THE COST OF INEFFICIENT TRADING AND PORTFOLIOS MOST AT RISK - INCREASING URGENCY**

Table 3. Trading costs and urgency in tra	de execution				
	els of urgency for tr	for trade execution			
Portfolio Traded	Patient	Neutral	Aggressive	Very Aggressive	
	(bps)	(bps)	(bps)	(bps)	
Panel A. Trade Slice of ASX 200 index					
\$100 mln slice	16	17	19	23	
\$250 mln slice	25	25	29	37	
\$500 mln slice	33	35	42	55	
\$1 bln slice	43	46	62	83	
Panel B. Trade Active portfolio that inves	ts in every fifth stock	in ASX 200 index (so	orted by cap)		
\$100 mln slice (Cap-wt)	32	36	42	57	
\$100 mln slice (Equal-wt)	61	64	81	119	
Panel C. Trade Slice of MSCI World ex Au	<u>stralia index</u>				
\$500 mln slice	6	10	11	11	
\$1 bin slice	8	12	14	15	
\$2.5 bin slice	14	16	20	22	
\$5 bin slice	21	22	26	31	
Panel D. Trade Active portfolio that inves	ts in every fifth <u>stock</u>	in MSCI World ex Au	ustralia index ( <u>sorte</u>	d by cap)	

\$500 mln slice (Cap-wt)	14	16	19	22
\$500 mln slice (Equal-wt)	20	23	27	32

Source: Parametric, excerpted from "Under the Spotlight: How much does it cost to trade equities?", forthcoming Parametric Research 2016.

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#### **CLOSE AND PANEL DISCUSSION**

- Tax and trading are two areas of potential implementation leakage where good investment ideas can be undone
  .... and the damage can be hidden to the investor or member
- Multi-manager structures have inherent inefficiencies that require a centralised approach to address
- Trading costs can be implicit, not just explicit
- Larger portfolios, more active portfolios and strategies with a less patient trading style create more risks around trading costs and inefficiencies

Source: Parametric, excerpted from "Under the Spotlight: How much does it cost to trade equities?", forthcoming Parametric Research 2016.

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