

MFG Select Infrastructure

Key Facts

Portfolio Manager	Gerald Stack & Dennis Eagar
Strategy Inception Date	2 May 2013
Total Infrastructure Assets ¹	USD \$5,042.5 million
Total Strategy Assets	USD \$1,802.5 million

USD Performance²

	Composite (Gross)	Composite (Net) ³	Index ⁴	Excess Return
3 Months	0.9	0.7	4.6	-3.7
6 Months	10.7	10.2	13.5	-2.8
1 Year	15.9	15.0	2.8	13.1
3 Years (% p.a.)	13.6	12.7	7.1	6.5
Since Inception (% p.a.)	10.5	9.6	4.5	6.0

	Composite (Gross)	Composite (Net) ³	Index ⁴	Excess Return
2013 (%)*	4.6	4.0	0.9	3.6
2014	14.1	13.2	14.1	0.0
2015	3.9	3.1	-12.2	16.1
2016 (CYTD)	10.7	10.2	13.5	-2.9

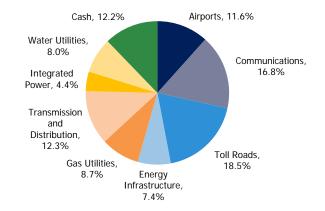
USD 3 Year Risk Measures⁵

	Against Benchmark ⁴	Against Global Equities ⁴
Upside Capture	1.0	0.8
Downside Capture	0.6	0.2
Beta	0.8	0.6
Correlation	0.9	0.7

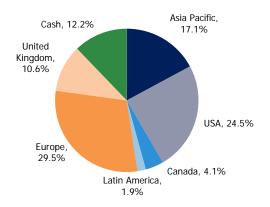
Top 10 Holdings⁶

	Sector	%
Transurban Group	Toll Roads	8.3
Crown Castle International	Communications	6.7
National Grid PLC	Transmission and Distribution	5.7
Atlantia SpA	Toll Roads	5.1
Sempra Energy	Gas Utilities	4.5
Enbridge Inc	Energy Infrastructure	4.1
American Tower Corp	Communications	4.1
United Utilities Group Plc	Water Utilities	4.0
SES S.A.	Communications	3.9
Flughafen Zuerich AG REG	Airports	3.8
	TOTAL:	50.2

Industry Exposure⁶



Geographical Exposure⁶



1 Total Infrastructure assets comprises of the Select Infrastructure strategy and Core Infrastructure strategy. 2 Returns are for the Global Core Infrastructure Composite and denoted in USD. Performance would vary if returns were denominated in a currency other than USD. Refer to the GIPS Disclosure section at the end of this document for further information.

3 Performance figures are net of fees charged to clients and have been reduced by the amount of the highest fee charged to any client employing that strategy during the period under consideration. Actual fees may vary depending on, among other things, the applicable fee schedule and portfolio size. Fees are

 4 S&P Global Infrastructure Index. Net Total Return spliced with UBS Developed Infrastructure and Utilities.
Net Total Return Index. Note: as the UBS Developed Infrastructure and Utilities Net Total Return Index ceased to be published from 31 March 2015, it was replaced on 1 January 2015 with the S&P Global Infrastructure Index Net Total Return.

* Returns are only for part year.
5 Risk measures are for the Global Core Infrastructure Composite. The Global Equity Index is the MSCI World Net Total Return.

6 Representative portfolio. The exposures are by domicile of listing.

Performance

During the June 2016 quarter, in US dollar terms, the Strategy returned +0.9% before fees. This was 3.7% below the benchmark return of +4.6%. The one-year return for the Strategy was +15.9%. This was 13.1% better than the benchmark return of +2.8%. The Strategy also outperformed global equities by 18.7% over the year to 30 June 2016 with the MSCI World NTR (AUD) Index returning -2.8%. The June quarter saw a rebound in stocks that had been heavily sold off in previous quarters. This particularly applied to competitive power companies, stocks in emerging markets and stocks whose earnings are sensitive to the oil price.

Pleasingly, given the Brexit turmoil, the Strategy's UK holdings delivered the best regional performance with a weighted average return of +14.7% (in local currency terms). Clearly, the flight to high quality defensive stocks once again worked in our investors' favour. The Strategy's US, Canadian and Australian exposures also generated strong positive returns that were offset by a poor performance from the Strategy's European holdings. Expressed in local currency terms, the Strategy's investments in utilities delivered a weighted average return of 9.8% for the quarter, while the non-utility stocks returned 2.1%. The most significant contributors to Strategy returns included US tower company, Crown Castle (total shareholder return of 18.4%), UK water utility, United Utilities (+15.2%) and UK electricity transmission company, National Grid (+14.3%).

Performance of the benchmark index (in local currency terms) was positively impacted by its pipelines exposures, which produced an average return of 16.4% for the quarter. Competitive Power companies were also strong with an average return of 8.5%. Examples of companies recovering some of their lost ground over the past year include North American pipeline companies, Targa Resources (up 44.3% in the June quarter but still down 48.4% for the year), The Williams Companies (up 38.5% for the quarter but still down 58.2% for the year) and Veresen (up 28.0% for the quarter but still down 28.2% for the year). Elsewhere, the MLP Index was up 19.7% for the quarter (down 13.1% for the year) while Japanese electricity utilities were down 11.6% for the quarter and 25.0% for the year.

The Strategy's returns for the quarter by sector and region are shown in the following graphs:





Strategy

The Strategy's investment strategy remains consistent with previous periods and is not expected to change over the long term.

The Strategy seeks to provide investors with attractive riskadjusted returns from the infrastructure asset class. It does this by investing in a portfolio of listed infrastructure companies that meet our strict definition of infrastructure at discounts to their assessed intrinsic value. We expect the Strategy to provide investors with real returns of approximately 5% to 6% over the longer term.

We believe that infrastructure assets, with requisite earnings reliability and a linkage of earnings to inflation, offer attractive, long-term investment propositions. Furthermore, given the predictable nature of earnings and the structural linkage of those earnings to inflation, investment returns generated by infrastructure assets are different from traditional asset classes and offer investors valuable diversification when included in an investment portfolio. In the current uncertain economic and investment climate, the reliable financial performance of infrastructure investments makes them particularly attractive and an investment in listed infrastructure can be expected to reward patient investors with a three to five-year timeframe.

Topic in Focus – Self Driving Cars & Implications on Toll Roads

Since 2007, our infrastructure portfolios have held material positions in toll road companies. These companies have had exposure to toll roads in Europe, the US, Canada, Latin America and Australia. When valuing these roads, we distinguish between the four different types of roads because of their inherently different traffic growth dynamics, including their sensitivity to economic conditions:

- Urban radial roads;
- Urban orbital roads;
- Urban High Occupancy Toll (HOT) lanes; and
- Inter-urban toll roads.

When valuing these roads we build financial models that forecast traffic usage through to the end of the contracted concession period. In some cases, this can be more than 50 years. The advent of driverless cars therefore raises questions as to the impact of this rapidly developing technology on toll road traffic volumes. Rapid advances in technology are set to deliver a transformation from driver-controlled to automated and semiautomated forms of vehicle operation. While the basic technology for driverless cars already exists, the shift to driverless cars will clearly take some time to occur and there are a myriad of social, regulatory and legal issues that need to be addressed before they become ubiquitous. But in the meantime, the technology will develop and will inevitably impact toll road usage.

Based on our analysis, we expect the development of driverless cars to provide a boost to toll road traffic and earnings over the next 10-20 years. However, beyond that period the impact on usage of toll roads is difficult to predict and may even be negative. We explain our thinking in the following discussion.

Autonomous Vehicles

Cars are currently being produced that have Autonomous Vehicle (AV) capability. This means they have the capability to allow the driver to relinquish complete control over the vehicle in certain circumstances and are smart enough to know when conditions do not allow that to occur, e.g. when lane markings are confusing or non-existent.

AVs are not driverless cars. Driving an AV allows the driver to hand over control of the vehicle but requires the driver to be ready to take back control of the car when needed. The vehicle will automatically keep a safe distance between itself and surrounding vehicles and, if needed, can change lanes. It will do all those functions more safely than a human – indeed road safety authorities are supportive of the adoption of AV technology because of the expected safety benefits.

So while the driver will still need to be behind the wheel and attentive to what is happening, the driving experience will generally be more relaxed, less stressful and safer than in non-AV vehicles.

While there are a raft of legal and regulatory issues that need to be resolved before driverless cars become a reality, there are complex social/ethical issues that are even more important in the use of this technology. This is perhaps best illustrated when an AV is being used in a suburban street environment. In that situation, it is entirely possible that the vehicle would have to make a decision between running over a person that has moved into the path of the car or swerving into the path of a vehicle coming in the opposite direction, potentially putting the lives of the occupants of the AV at risk. Such "life and death" questions will take some sorting out!

In the context of such difficult issues, it is not surprising that the current thinking among road safety authorities is that AV usage is likely to be restricted only to motorways for some years to come. This is because:

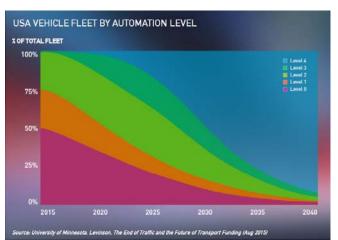
- Generally motorways have better and more consistent road markings and signage; and very importantly
- There is only very limited scope for an AV to be faced with situations that are difficult to predict in advance, e.g. a person running in front of the vehicle.

The Future

So in the shorter term, we believe that the tolled motorways are likely to benefit from AV technology because it will enhance the appeal to using the toll road over the free, non-motorway alternatives. Initially, that benefit will be marginal because relatively few cars will have AV capability. But over the next decade and beyond, as AV technology is rolled out in more and more cars, it is likely to be material. As the following diagram illustrates, a recent University of Minnesota study forecast that within 15 years almost 60% of the USA vehicle fleet would have either complete or limited self-driving capability, rising to 90% by 2040¹.

Their forecasts are shown in the following graph which uses vehicle automation levels as defined by the National Highway Traffic Safety Administration of the USA being:

- Level 4 Complete self-driving automation
- Level 3 Limited self-driving automation (an AV)
- Level 2 Combined function automation
- Level 1 Function specific automation
- Level 0 No automation



Source: University of Minnesota, Levinson, The End of Traffic and the Future of Transport Funding (August 2015).

So, we do not see AV technology as being a disruptive technology that could have a negative impact on traffic growth on the toll roads in the next decade. Quite the opposite – while ever its use is limited to motorway conditions, the toll roads are expected to be net beneficiaries.

The increasing usage of AV technology on motorways will also benefit toll roads in two other important ways:

- It will reduce traffic congestion on the toll roads because some congestion is caused by the poor behaviour of human drivers when changing lanes, breaking or accelerating. It will also reduce the number and severity of accidents – frequently a cause of severe congestion on the toll roads; and
- It will increase the capacity of the toll roads, particularly in peak periods. Toll roads currently can handle around 2,200 vehicles per lane per hour. A recent study by the University of California² concluded that full penetration of AV could see this capacity double. This is because vehicles will be able to travel much closer together at much higher speeds in much thinner lanes than is currently the case. A different study by Tientrakool et al² found that a 50% presence of AVs in the traffic mix can increase highway capacity by 80%. While these studies may prove to be optimistic, there is no doubt that the increase in capacity will be meaningful particularly for urban toll roads which are already capacity constrained during peak periods. This capacity benefit can be phased in over time by the creation of AV only lanes on the toll roads

Longer term, we expect that this improvement in capacity will also be experienced by the free roads running parallel to the toll road, thereby reducing congestion on the free alternative and removing the incentive for drivers to use the toll road. So when AV technology is allowed to be used on non-motorways, there is likely to be a negative impact on toll road usage, at least until the free alternative roads become congested again.

Driverless Cars

The ultimate form of AV is a driverless car. Such a vehicle would be configured completely differently from today's vehicles. It would have no steering wheel or other controls and seats would be configured to best suit the needs of the occupants at the time. Driverless cars:

- Would allow the occupant to use the travel time productively or enjoy a greater range of entertainment experiences including video/TV/computers;
- Would allow greater interaction between occupants; and
- Would provide enhanced mobility to those in our society currently incapable of driving a car, e.g. the old, infirm and young would be able to use the car without assistance.

Driverless cars will increase the capacity of both toll roads and their free alternatives as automotive networked intelligence results in optimising traffic flow, less accidents, and automatic rerouting. Ultimately roads may not even need traffic signals, lane markings or speed limits. The fact that a driverless car trip will be an opportunity to be entertained will also reduce the utility of the time saved by using a toll road, i.e. drivers will be less inclined to spend \$5 or \$10 on the toll road to save, say, 15 minutes. Alone these developments are negative for toll roads given that usage of a toll road is almost entirely dependent on the actual or perceived time and reliability benefits of using the toll road.

However, driverless cars will also increase the demand for trips by reducing frictions to taking trips, introducing empty trips, and taking share from other modes.

A study by Princeton University⁴ forecasts that 1) vehicle miles driven is likely to increase by between 5% and 20% when AVs reach 50% market penetration, and 2) when fleet penetration of driverless and AV cars reaches 95% vehicle miles driven is expected to increase by 35%. The same study forecasts that this will be around 2040, well within the forecast period of toll roads in our investment universe.

The era of driverless cars is also likely to be associated with much lower levels of car ownership. It will simply be more economic to participate in some form of sharing arrangement that allows much greater utilisation of vehicles than to have a privately owned vehicle remaining idle. Again this is likely to lead to an increase in vehicle miles driven as it will decrease average trip costs.

Another study by academics at the University of Southern Florida showed that empty trips alone would increase total miles driven by at least 10%. These trips would arise because shared cars would drop off a passenger and drive empty to pick up the next occupant.

As an aside, it would appear that the clear losers of driverless cars would be the owners of parking stations and those making a living driving vehicles (at present, there are about 3.5m truck drivers in the US, forming the largest job category in 29 states).

We believe there is significant potential for disruptive technologies to materially impact a range of industries. We know with certainty that none of the above quoted studies will be absolutely correct. We expect AV and driverless cars will generally be positive for the earnings of toll roads, and particularly urban toll roads, over the next 10 to 20 years, but we have not changed any of our traffic forecasts to reflect this until we have greater certainty about how, and more importantly when, these developments will take place.

The long-term impact on toll roads will depend on the balance of the positive impact of the additional trips created by driverless cars and the negative impact of the additional capacity that is created on the free roads by the growth of driverless cars.

¹ University of Minnesota, "The End of Traffic and the Future of Transport Funding", Aug 2015

 ² Shaldover et al, "Impacts of Co-operative Adaptive Cruise Control on Freeway Traffic Flow", University of California, 2012.
³ Tientrakool, Patcharinee, Ho, Ya-Chi, and Maxemchuk,

Nicolas M., 2011, "Highway Capacity Benefits from Using Vehicle-to-Vehicle Communication and Sensors for Collision Avoidance," Vehicular Technology Conference (VTC Fall) 2011 IEEE.

⁴ Bierstedt et. Al., "Effects of Next-Generation Vehicles on Travel Demand and Highway Capacity", Princeton University, 2014

IMPORTANT NOTICE

This material is being furnished to you to provide summary information regarding Magellan Asset Management Limited 'doing business as'/'trading as' MFG Asset Management ('MFG Asset Management') and an investment fund or investment strategy managed by MFG Asset Management ('Strategy'). No distribution of this material will be made in any jurisdiction where such distribution is not authorised or is unlawful. This material is not intended to constitute advertising or advice of any kind and you should not construe the contents of this material as legal, tax, investment or other advice.

The investment program of the Strategy presented herein is speculative and may involve a high degree of risk. The Strategy is not intended as a complete investment program and is suitable only for sophisticated investors who can bear the risk of loss. The Strategy may lack diversification, which can increase the risk of loss to investors. The Strategy's performance may be volatile. The past performance of the Strategy is not necessarily indicative of future results and no person guarantees the performance of the Strategy or the amount or timing of any return from it. There can be no assurance that the Strategy will achieve any targeted returns, that asset allocations will be met or that the Strategy will be able to implement its investment Strategy or achieve its investment objective. The management fees, incentive fees and allocation and other expenses of the Strategy will reduce trading profits, if any, or increase losses. The Strategy will have limited liquidity, no secondary market for interests in the Strategy is expected to develop and there are restrictions on an investor's ability to withdraw and transfer interests in the Strategy. In making an investment decision, you must rely on your own examination of any offering documents relating to the Strategy.

No representation or warranty, express or implied, is made with respect to the correctness, accuracy, reasonableness or completeness of any of the information contained in this material. This information is subject to change at any time and no person has any responsibility to update any of the information provided in this material. MFG Asset Management will not be responsible or liable for any losses, whether direct, indirect or consequential, including loss of profits, damages, costs, claims or expenses, relating to or arising from your use or reliance upon any part of the information contained in this material including trading losses, loss of opportunity or incidental or punitive damages.

This material is strictly confidential and is being provided to you solely for your information and must not be copied, reproduced, published, distributed, disclosed or passed to any other person at any time without the prior written consent of MFG Asset Management. Any trademarks, logos, and service marks contained herein may be the registered and unregistered trademarks of their respective owners. Nothing contained herein should be construed as granting by implication, or otherwise, any licence or right to use any trademark displayed without the written permission of the owner.

<u>United Kingdom</u> - This material does not constitute an offer or inducement to engage in an investment activity under the provisions of the Financial Services and Markets Act 2000 (FSMA). This material does not form part of any offer or invitation to purchase, sell or subscribe for, or any solicitation of any such offer to purchase, sell or subscribe for, any shares, units or other type of investment product or service. This material ar any part of it, or the fact of its distribution, is for background purposes only. This material has not been approved by a person authorised under the FSMA and its distribution in the United Kingdom and is only being made to persons in circumstances that will not constitute a financial promotion for the purposes of section 21 of the FSMA as a result of an exemption contained in the FSMA 2000 (Financial Promotion) Order 2005 as set out below. This material is exempt from the restrictions in the FSMA as it is to be strictly communicated only to 'investment professionals' as defined in Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (FPO).

United States of America - This material is not intended as an offer or solicitation for the purchase or sale of any securities, financial instrument or product or to provide financial services. It is not the intention of MFG Asset Management to create legal relations on the basis of information provided herein. Where performance figures are shown net of fees charged to clients, the performance has been reduced by the amount of the highest fee charged to any client employing that particular strategy during the period under consideration. Actual fees may vary depending on, among other things, the applicable fee schedule and portfolio size. Fees are available upon request and also may be found in Part II of MFG Asset Management's Form ADV. The Global Infrastructure Benchmark is comprised of the following: from inception to 31 December 2014 the benchmark is UBS Developed Infrastructure & Utilities Index Net Total Return Index. The benchmark changed because UBS discontinued their index series.

The UBS Developed Infrastructure & Utilities Index Net Total Return is a market capitalisation weighted index that is designed to measure the equity performance of listed Infrastructure and Utility stocks. Index results assume the reinvestment of all distributions of capital gain and net investment income using a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

The S&P Global Infrastructure Net Total Return Index is a market capitalisation weighted index that is designed to track 75 companies from around the world diversified across three infrastructure sectors energy, transportation and utilities. Index results assume the reinvestment of all distributions of capital gain and net investment income using a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

GLOBAL INVESTMENT PERFORMANCE STANDARDS (GIPS®) DISCLOSURE

Magellan Asset Management Limited, doing business as MFG Asset Management in jurisdictions outside Australia and New Zealand, (MFG Asset Management) claims compliance with the Global Investment Performance Standards (GIPS ®)

For the purpose of complying with GIPS, the Firm is defined as all discretionary portfolios managed by MFG Asset Management.

The Global Select Infrastructure composite is a concentrated global strategy investing in strictly defined or "pure" infrastructure companies, (typically 20-40). The filtered investment universe is comprised of stocks that 1. generate reliable income streams 2. benefit from inflation protection and 3. have an appropriate capital structure. The investment objective of the strategy is to minimise the risk of permanent capital loss; and achieve superior risk adjusted investment returns over the medium to long-term. The composite was created in May 2013.

To achieve investment objectives, the composite may also use derivative financial instruments including, but not limited to, options, swaps, futures and forwards. Derivatives are subject to the risk of changes in the market price of the underlying securities instruments, and the risk of the loss due to changes in interest rates. The use of certain derivatives may have a leveraging effect, which may increase the volatility of the composite and may reduce its returns.

Gross composite returns (includes the reinvestment of dividends and capital gain distributions), are net of transaction costs, withholding taxes and direct expenses, but before management fees, custody and other indirect expenses. Net composite returns are prepared by subtracting from the monthly gross returns one-twelfth of the maximum applicable to institutional investors (0.80% p.a.). A list of composites and descriptions, as well as policies for valuing investments, calculating performance, and preparing compliant presentations are available upon request by emailing data@magellangroup.com.au

The representative portfolio is an account in the composite that closely reflects the portfolio management style of the strategy. Performance is not a consideration in the selection of the representative portfolio. The characteristics of the representative portfolio may differ from those of the composite and of the other accounts in the composite. Information regarding the representative portfolio and the other accounts in the composite is available upon request.