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May 24, 2019

MEMORANDUM TO: The State Investment Council

FROM: Corey Amon Director

SUBJECT: Proposed Investment in Warburg Pincus China-Southeast Asia II,

L.P.

The Division of Investment (the "Division") is proposing an investment of up to \$100 million in Warburg Pincus China-Southeast Asia II, L.P. (the "Fund"). This memorandum is presented to the State Investment Council (the "Council") pursuant to N.J.A.C. 17:16-69.9.

The Division is recommending this investment based on the following factors:

Long Established History and Strong Local Recognition in China:

Warburg Pincus (the "Firm"), which operates under the name Hua Ping (华平) in China, opened its Hong Kong office in 1994 and was one of the earliest private equity firms to invest in the country. Hua Ping is a well-established brand with a broad network of local relationships and investments in over 165 enterprises. Today, Warburg Pincus has 49 locally-based investment professionals across its four offices in China and Southeast Asia.

Robust Performance, Solid Track Record:

From 1994 through 2018, the Firm has invested nearly \$11.5 billion in 165 Asia-based companies, generating a 1.9x gross MOIC and a 16.4% gross IRR. Warburg Pincus China Fund I (vintage 2016) is approximately 75% deployed; it has invested \$1.5 billion in 25 China and Southeast Asia investments. The portfolio has generated a gross IRR of 40.0% and a 1.33x gross MOIC, with zero losses observed to date. The loss ratio on China and Southeast Asia investments from Warburg Pincus X Fund (2008) through the more recent Warburg Pincus funds is 3.8%, meaningfully below industry level.

Experienced and Resourceful Team in China and Southeast Asia:

The China and Southeast Asia team includes 3 Co-Heads and 11 Managing Directors who have average tenures at the Firm of 16 years and 11 years, respectively. The Firm utilizes predominantly local teams with industry knowledge and experience. These teams generate differentiated opportunities and proprietary deal flow, while building relationships with entrepreneurs in expanding global markets. More than 80% of China and Southeast Asia investments made since Warburg Pincus IX Fund were start-ups or sourced through the Warburg Pincus network.

Value-Creation Provided by the Investment Support Group and Through the Line-of-Equity ("LOE") Structure:

Dedicated local investment teams are supported by more than 25 professionals that provide financial analytics, due diligence, ESG review, research, asset management, and services to the portfolio companies. As a pioneer in the private equity space, Warburg Pincus utilizes a LOE structure as a tool to mitigate potential losses. This allows the Firm to provide early stage companies with capital on an incremental basis and as needed, while monitoring their growth rates.

Environmental, Social and Governance (ESG) Policy: The Firm has a formal ESG policy through which it seeks to incorporate ESG-related issues into its investment decisions and asset management. The Firm also adheres to the Guidelines for Responsible Investment which were developed by the American Investment Council. The Firm has dedicated resources that work closely with portfolio company management teams on ESG issues. The China and Southeast Asia Team strives for its portfolio companies to be at the forefront on ESG issues by following stringent internal standards and being in full compliance with legal and regulatory requirements. Through dedicated resources, this team provides public policy and government relations support, particularly in the more regulated industries in which the Firm invests, including financial services and healthcare.

A report of the Investment Policy Committee ("IPC") summarizing the details of the proposed investment is attached.

Division Staff and its private equity consultant, TorreyCove Capital Partners, undertook extensive due diligence on the proposed investment in accordance with the Division's Alternative Investment Due Diligence Procedures.

As part of its due diligence process, staff determined that the Fund has engaged a third-party solicitor ("placement agent") in the fundraising of the Fund but no placement agent was engaged or paid in connection with the Pension Fund's potential investment.

Staff will work with representatives of the Division of Law and outside counsel to review and negotiate specific terms of the legal documents governing the investment. A preliminary Disclosure Report of Political Contributions has been obtained in accordance with the Council's regulation governing political contributions (N.J.A.C. 17:16-4), and no political contributions have been disclosed. An updated Disclosure Report will be obtained at the time of closing.

Note that the investment is authorized pursuant to Articles 69 and 90 of the Council's regulations. Warburg Pincus China-Southeast Asia II, L.P. is considered a private equity buyout investment, as defined under N.J.A.C. 17:16-90.1. Pursuant to N.J.A.C. 17:16-90.4(a)1, the aggregate market value of private equity investments shall not exceed 12% of the combined assets of all of the Pension and Annuity Funds. As of the close of business on May 23, 2019, the aggregate market value of private equity investments is 11.26% of the combined assets of all the Pension and Annuity Funds excluding the Police and Fire Mortgage assets.

A formal written due diligence report for the proposed investment was sent to each member of the IPC, and a meeting of the Committee was held on May 22, 2019. In addition to the formal written due diligence report, all other information obtained by the Division on the investment was made available to the IPC.

We look forward to discussing the proposed investment at the Council's May 29, 2019 meeting.

Attachments

Fund Name: Warburg Pincus Chine	a-Southeast Asia II, L.P.				May 24, 201
	Natasha Farquharson, 450 Lexington Avenue, N	ew York, NY 10017			
Fund Details:	\$75 LW				
Firm AUM (\$bil.):	\$75 billion Growth	Key Investment Professionals:			
Strategy:	1994	<u>Julian Cheng,</u> Executive Managing Director, joined Warburg Pincus in 2000, based in Hong Kong and co-leads the firm's business in China. Previously, Mr. Cheng was in investment banking with Salomon Smith Barney and Bankers Trust.			
Year Founded:		Fronk 7 Wei Francisco Managina Director island Washing Director in 2002 based in Changles and as leads the firm's hydrogenic fields Dervisored. Mr. Wei			
Headquarters:	New York, New York	was with the investment banking division of Morgan Stanley in Hong Kong, and McKinsey & Company in Shanghai.			
GP Commitment:	Jettrey Perlman, Executive Managing Director, joined Warburg Pincus in 2006, based in Singapore and leads the firm's investments in Southern				
		Perlman focuses on real estate investments across the g	reater Asia-Pacific region	n. Previously, he worked in the	he Real Estate Inve stment Banking Group at Credit
		Suisse. Charles R. Kaye, Co-Chief Executive Officer, has been with Warburg Pincus since 1986. He has been jointly responsible for the management of the firm since			
			gy, oversight of investment policy and decisions, leadership of the firm's Executive Management Group and the		
		coordination of limited partner communications. Mr. K			
		Warburg Pincus' Asia operations	-,		·····
		Joseph P. Landy, Co-Chief Executive Officer, has been engaged in all aspects of private equity investing since 1985. He has been jointly responsible for the nanagement of the firm since 2000, including the formulation of strategy, oversight of investment policy and decisions, leade rship of the firm's Executive			
		Management Group and the coordination of limited par	tner communications.		
Investment Summary					nd Prior Funds
-	in fund that is expected to invest 50/50 alongside W	0 1 0	<u>Funds</u>	<u>Vintage Year</u> <u>Strategy</u>	<u>Returns as of 12/31/2018</u>
within China and Southeast Asia, 50/25/25 alongside Warburg Pincus Energy in China and Southest Asia Energy opportunities and 40/40/20			Fund X (China)		15.5% Net IRR, 2.16x Net TVPI, 1.23x DPI
alongside Warburg Pincus Financial in China and Southeast Asia Financial opportunities, employing a thesis-driven investing approach across			Fund XI (China)		19.0% Net IRR, 1.76 Net TVPI, 0.75x DPI
sectors that Warburg Pincus (the "Firm") believes have the potential to grow 15-25% annually, particularly in areas that will benefit from			Fund XII (China)		26.1% Net IRR, 1.23x Net TVPI, 0.03x DPI
economic and structural transformations, such as: (i) healthcare, (ii) logistics, (iii) e-commerce, (iv) technology, (v) consumer and retail (vi) and businesses focused on environmental improvements and protections. Warburg Pincus maintains the flexibility to invest across the spectrum			WP China (China)	2016 Growth	22.5% Net IRR, 1.22x Net TVPI, -x DPI
from early-stage and start-up companies to later-stage companies, but in general expects to deploy the remaining balance in later-stage					
growth/buyout transactions.	ies to later-stage companies, but in general expects t	o deploy the remaining balance in facer-stage			
growing out transactions.					
77.1:1.7.6			IRR = Internal Rate	of Return; TVPI = Total Valu	ue to Paid In Capital; DPI= Distributions to Paid-In
Vehicle Information: Inception:	2019		Auditor:	Ernst & Young LLP	
Fund Size (\$mil.):	\$4.25 billion		Legal Counsel:	Kirkland & Ellis LLP	
Management Fee:	\$4.23 billion		Legal Counsel.	Kii kianu & Eins LLF	
Management Fee:					
1.4% on commitments during the inveterm (up to year 6)					
	1.4% on cost of investments from years 6-8				
	1.25% on cost of investments from years 8-10				
	1% on cost of investments thereafter				
Carry:	20%				
Hurdle Rate:					
Additional Expenses:	none				
Additional Expenses:	100% management fee offset				
NJ AIP Program					
Recommended Allocation (\$mil):	up to \$100 million	LP Advisory Board Membership:	TBD		
% of Fund:	2.35%	Consultant Recommendation:	YES		
		Placement Agent:	NO		
		Compliance w/ Division Placement Agent Policy:	N/A		
		Compliance w/ SIC Political Contribution Reg:	YES		
*This review memorandum was p	prepared in accordance with the State Investment	ent Council rules governing the Alternatives Invest	ment Program and the	e policies and procedures	related thereto.