

**TEXAS TECH UNIVERSITY SYSTEM  
INVESTMENT DISCLOSURE**

Texas Tech University System employs an outside investment advisor and outside investment managers. The managers have the authority to make investment decisions within their asset class 1) without obtaining prior approval. The advisor has no investment authority. Names of the advisor and manager firms are as follows:

Separately Managed Accounts:

AEGIS	Arun Muralidhar	9603 Georgetown Pike, Great Falls, VA 22066	(703) 759-0264	<a href="mailto:asmuralidhar@alphaengine.net">asmuralidhar@alphaengine.net</a>
AQR Capital Management LLC	Iwan Djanali	Two Greenwich Plaza, Greenwich, CT 06830	(203) 742-3639	<a href="mailto:iwan.djanali@aqr.com">iwan.djanali@aqr.com</a>
Corrum	Stuart Heffner	214 North Tryon Street, Ste 1950, Charlotte, NC 28202	(704)-330-7332	<a href="mailto:sheffner@corrumcapital.com">sheffner@corrumcapital.com</a>
EOS	Brian MacHale	320 Park Avenue, New York, NY 10022	(203) 552-1923	<a href="mailto:bmachale@eospartners.com">bmachale@eospartners.com</a>
Gramercy Distressed Opportunity Fund II	Stephen LaVersa	20 Dayton Avenue, Greenwich, CT 06830	(201) 552-1923	<a href="mailto:slaversa@gramercy.com">slaversa@gramercy.com</a>
Income Research & Management	Matthew Drasser	100 Federal Street, 30th Floor Boston, MA 02110	(617) 330-9333	<a href="mailto:mdrasser@incomeresearch.com">mdrasser@incomeresearch.com</a>
Payden & Rygel	Erinn King, CFA	265 Franklin Street Boston, MA 02110	(617) 807-1992	<a href="mailto:eking@payden.com">eking@payden.com</a>
Stralem & Company, Inc.	Mark Sullivan	551 Madison Avenue New York, NY 10022	(212) 888-8129	<a href="mailto:mark.sullivan@stralem.com">mark.sullivan@stralem.com</a>
Times Square Capital Management, LLC	Joseph B. DeVersa	7 Times Square, 42nd Floor, New York, NY 10036	(212) 531-8428	<a href="mailto:joseph.deversa@tscmlc.com">joseph.deversa@tscmlc.com</a>
Tortoise Capital Advisors	Jenny Park	11550 Ash Street, Suite 300, Leawood, KS 66211	913-890-2132	<a href="mailto:jpark@tortoiseadvisors.com">jpark@tortoiseadvisors.com</a>
<u>Commingled Funds &amp; LP Interests:</u>				
Acadian Asset Management	Jim Klapman	260 Franklin St, Boston, MA 02110	(617) 850-3381	<a href="mailto:iklapman@acadian-asset.com">iklapman@acadian-asset.com</a>
Alcentra	Jack Yang	200 Park Avenue, 7th Floor, New York, NY 10166	(212) 922-4513	<a href="mailto:jack.yang@alcentra.com">jack.yang@alcentra.com</a>
Alcion Ventures LP	Mark Potter	One Post Office Square, Suite 3520, Boston, MA 02109	(617) 603-1002	<a href="mailto:mpotter@alcionventures.com">mpotter@alcionventures.com</a>
Arclight Energy Partners	Ross Murphy	200 Clarendon Street, 55th Floor, Boston, MA 02116	(617) 531-6368	<a href="mailto:rmurphy@arclightcapital.com">rmurphy@arclightcapital.com</a>
Arel (Wild Basin)	George Yepes	520 Madison Avenue, 18th Floor, New York, NY 10022	646-837-7377	<a href="mailto:george.yepes@arelcapital.com">george.yepes@arelcapital.com</a>
ARES	Jeff Mills	201 California Street, San Francisco, CA 94111	(415) 423-3530	<a href="mailto:jmills@aresmgmt.com">jmills@aresmgmt.com</a>
Artisan	Ting Rattanaphasouk	100 Pine Street, Suite 2950, San Francisco, CA 94111	(415) 283-1490	<a href="mailto:ting.rattanaphasouk@artisanpartners.com">ting.rattanaphasouk@artisanpartners.com</a>
Balyasny Capital Management	Kerry Lyden	767 5th Avenue, 35th Floor, New York, NY 10153	(212) 808-2362	<a href="mailto:klyden@bamfunds.com">klyden@bamfunds.com</a>
Beach Point	John Quintanar	1620 26th Street, Suite 6000N, Santa Monica CA 90404	(646) 822-0082	<a href="mailto:jkarsch@beachpointcapital.com">jkarsch@beachpointcapital.com</a>
Birch Grove Capital	Nicolas P. Barquin	660 Madison Avenue, 15th Floor, New York, NY 10065	(212) 753-7513	<a href="mailto:nbarquin@birchgrovecap.com">nbarquin@birchgrovecap.com</a>
The Boston Company	Carl O'Connell	201 Washinton St, 24th Floor, Boston, MA 02108	(617) 722-7265	<a href="mailto:carl.oconnell@bymellon.com">carl.oconnell@bymellon.com</a>
CCMP	Elizabeth Smith	277 Park Ave, 27th Floor, New York, NY 10167	(212) 600-9692	<a href="mailto:elizabeth.smith@ccmpcapital.com">elizabeth.smith@ccmpcapital.com</a>
Cairn Capital	Sophie Lee	27 Knightsbridge, London SW1 7LY	020-7259-4861	<a href="mailto:sophie.lee@cairncapital.com">sophie.lee@cairncapital.com</a>
Capital Royalty	Mike Weinmann	1000 Main Street, Suite 2500, Houston, TX 77002	(713) 209-7371	<a href="mailto:mweinmann@capitalroyalty.com">mweinmann@capitalroyalty.com</a>
Cartesian Capital Group	Peter M. Yu	505 Fifth Avenue - 15th Floor, New York, NY 10017	(212) 461-6363	<a href="mailto:peter.yu@cartesiangroup.com">peter.yu@cartesiangroup.com</a>
Catalyst	Maga Rzeszutek	181 Bay Street, Ste 4700 PO Box 792 Bay Wellington Tower Brookfield Place, Toronto, Ontario M5J 2T3 Canada	(416) 945-3041	<a href="mailto:mrzeszutek@catcapital.com">mrzeszutek@catcapital.com</a>
Cevian	David Henderson	17 Cavendish Square, London, W1G 0PH, UK	(414) 763-9123	<a href="mailto:david.henderson@ceviacapital.com">david.henderson@ceviacapital.com</a>
Complus Asset Management	Ryota Kotani	Rm 1302 13/F, York House, The Landmark, 15 Queens Road Central, Hong Kong	(852) 2686 1007	<a href="mailto:ryota.kotani@complusam.com">ryota.kotani@complusam.com</a>
Cumulus Energy	Brett Sanderson	City Financial Investment Company Ltd., 62 Queen Street, London, EC4R 2EB, United Kingdom	44 (0) 20 7451 3764	<a href="mailto:brett.sanderson@cityfinancial.co.uk">brett.sanderson@cityfinancial.co.uk</a>
Deerfield	Marian Brancaccio	780 Third Avenue, 37th Floor, New York, NY 10017	(212) 551-1600	<a href="mailto:mbrancaccio@deerfield.com">mbrancaccio@deerfield.com</a>
Denham Capital Management LP	Tim Smith	200 Calrendon Street, Boston, MA, 02117	(617) 531-4864	<a href="mailto:tim.smith@denhamcapital.com">tim.smith@denhamcapital.com</a>
Encap Energy Capital	Charles Bauer	1100 Louisiana Street, Suite 4900, Houston, TX 77002	(713) 659-6100	<a href="mailto:cbauer@encapinvestments.com">cbauer@encapinvestments.com</a>
Fir Tree Partners	Ben Ghriskey	505 Fifth Ave. 23rd Floor, New York, NY 10017	(212) 659-4341	<a href="mailto:ben@firtree.com">ben@firtree.com</a>
First Eagle Investment Management	Karin Penkala	1345 Avenue of the Americas, 48th Floor, New York, NY 10105	(561) 296-7430	<a href="mailto:karin.penkala@asbai.com">karin.penkala@asbai.com</a>
Fortress	Michael George	1345 Ave of the Americas, 46th Fl, New York, NY 10105	(212) 497-2847	<a href="mailto:mgeorge@fortress.com">mgeorge@fortress.com</a>
Gabriel Capital Group (Ariel)	Rosemary Bell	445 Park Ave, 17th Floor, New York, NY, 10022	(212) 205-4189	<a href="mailto:rbell@guidepostpartners.com">rbell@guidepostpartners.com</a>
Glazer	Stephane Azra	250 W 55th Street, Suite 30A, New York, NY, 10019	(212) 808-7303	<a href="mailto:stephane.azra@glazercapital.com">stephane.azra@glazercapital.com</a>
Goldman Sachs Asset Management	Scott Konicki	200 West Street, 37th Floor, New York, NY 10282-2198	(312) 655-6147	<a href="mailto:scott.konicki@gs.com">scott.konicki@gs.com</a>
Grantham, Mayo, Van Otterloo & Co. LLC	Lisa Stanton	2150 Shattuck Avenue, Suite 900, Berkeley, CA 94704	(510) 809-4588	<a href="mailto:lisa.stanton@gmo.com">lisa.stanton@gmo.com</a>
Gresham Investment Management LLC	Alex Gansch	257 Park Avenue South, 7th Floor, New York, NY 10010	(212) 984-1454	<a href="mailto:ag@greshamllc.com">ag@greshamllc.com</a>

Greylock	Kaitlin Ervin	285 Madison Avenue, 24th Floor, New York, NY 10017	(212) 808-1846	<a href="mailto:kconroy@greylockcapital.com">kconroy@greylockcapital.com</a>
Halcyon Asset Management, LLC	Emily Peruzzi	477 Madison Ave, 8th Floor, NY, New York 10022	212-303-9436	<a href="mailto:eperuzzi@halcyonllc.com">eperuzzi@halcyonllc.com</a>
Hudson Bay	Rebecca Benedict	777 Third Avenue, 30th Floor, New York, NY 10017	(616) 825-2150	<a href="mailto:ir@hudsonbaycapital.com">ir@hudsonbaycapital.com</a>
ILS	Armand Foy	200 Railroad Ave, Greenwich, CT, 06830	44-1294-8300	<a href="mailto:armand.foy@ilscapital.com">armand.foy@ilscapital.com</a>
Irving Place Capital Industry Ventures	Eve Mongiardo Lena McNulty	745 Fifth Avenue, New York, NY 10151 30 Hoteling Place, 3rd Floor San Francisco, CA 94111	(212) 551-4514 (415) 273-4229	<a href="mailto:emongiardo@irvingplacecapital.com">emongiardo@irvingplacecapital.com</a> <a href="mailto:lenna@industryventures.com">lenna@industryventures.com</a>
JPM Columbus	Matthew MaGee	270 Park Avenue, New York, NY 10017	(212) 270-3857	<a href="mailto:matthew.magee@jpmorgan.com">matthew.magee@jpmorgan.com</a>
King Street Capital Management, LLC	Callie Goff	65 E. 55th Street, 30th Floor, New York, NY 10022	(646) 289-7587	<a href="mailto:cgoft@kingstreet.com">cgoft@kingstreet.com</a>
Lone Pine Capital	Leslie Dahl	Two Greenwich Plaza, 2nd Floor Greenwich, CT 06830	(203) 618-7810	<a href="mailto:investor@lpcap.com">investor@lpcap.com</a>
Loomis, Sayles & Company, L.P.	Christopher Lazzaro	One Financial Center, 28th Floor Boston, MA 02111	(617) 748-1742	<a href="mailto:CLazzaro@loomissayles.com">CLazzaro@loomissayles.com</a>
Marathon European Credit Opps Fund	Steve Lazarus	One Bryant Park, 38th Floor, New York, NY 10036	(212) 500-3029	<a href="mailto:slazarus@marathonfund.com">slazarus@marathonfund.com</a>
MFS Institutional Advisors, Inc.	Thomas Williamson	111 Huntington Avenue, Boston, MA 02119	(617) 954-7492	<a href="mailto:twilliamson@mfs.com">twilliamson@mfs.com</a>
Millennium	Mark Dunn	666 Fifth Ave, 8th Floor, New York, NY 10103	(212) 708-4348	<a href="mailto:mark.dunn@mlp.com">mark.dunn@mlp.com</a>
Mondrian Investment Partners	Todd Rittenhouse	2001 Market Street, Suite 3810, Philadelphia, PA 19103	(215) 825-4500	<a href="mailto:todd.rittenhouse@mondrian.com">todd.rittenhouse@mondrian.com</a>
Nantucket Companies	Libby Greenstone	40950 Woodward - Suite 307, Bloomfield Hills, MI 48304	(248) 723-9286	<a href="mailto:Libby@nantucketfunds.com">Libby@nantucketfunds.com</a>
Natural Gas Partners	Lindsay Grider	5521 N. O'Connor Blvd., Ste 1000, Irving, TX, 75309	(972) 432-1364	<a href="mailto:lgrider@ngptrs.com">lgrider@ngptrs.com</a>
Origami	Jeff Young	191 North Wacker Drive, Ste 2350, Chicago, IL 60606	(312) 263-7800	<a href="mailto:jeff@origamicapital.com">jeff@origamicapital.com</a>
OZ Asia Overseas Fund, LTD	Lee West	9 West 57th Street, 39th Floor, New York, NY 10019	(212) 790-0132	<a href="mailto:lee.west@ozcap.com">lee.west@ozcap.com</a>
PENN Capital Management Company, Inc.	Steve Loizeaux	1200 Intrepid Avenue, Suite 400, Philadelphia, PA 19112	(215) 302-1500	<a href="mailto:SLoizeaux@penncapital.com">SLoizeaux@penncapital.com</a>
Pinnacle	Donnell Segalas	712 Fifth Avenue, 29th Floor, New York, NY 10019	(212) 750-1778	<a href="mailto:dsegalas@pinnacle-lp.com">dsegalas@pinnacle-lp.com</a>
Perella Weinberg Partners	Amy Cohen	767 Fifth Avenue New York, NY 10153	(212) 287-3246	<a href="mailto:perellaweinbergir@pwpartners.com">perellaweinbergir@pwpartners.com</a>
PIMCO	Kevin Brooks	650 Newport Center Drive, Newport Beach, CA 92660	(949) 720-7858	<a href="mailto:kevin.brooks@pimco.com">kevin.brooks@pimco.com</a>
Private Equity Investors	Chuck Stetson	505 Park Avenue, 4th Floor, New York, NY 10022	(512) 750-1228	<a href="mailto:cstetson@peifunds.com">cstetson@peifunds.com</a>
Reservoir Capital Group	Mike Walker	650 Madison Avenue, New York, NY 10022	(212) 610-9018	<a href="mailto:mwalker@reservoircap.com">mwalker@reservoircap.com</a>
Riverstone Holdings LLC	Patrick J. Connell	712 Fifth Avenue, 19th Floor, New York, NY 10019	(212) 271-2943	<a href="mailto:patrick@riverstonellc.com">patrick@riverstonellc.com</a>
Russell Investments Implementation Services, LLC	John Hanley	1301 2nd Avenue, 18th Floor, Seattle, WA 98101	(206) 505-2721	<a href="mailto:jhanley@russellinvestments.com">jhanley@russellinvestments.com</a>
Sabre	Melissa Hill	46-48 Grosvenor Gardens, London SW1W 0EB	44(207)592-7871	<a href="mailto:melissa.hill@sabrefund.com">melissa.hill@sabrefund.com</a>
Segantii Capital Management	Jolyn Dang	21st Floor, 100 Queen's Road Central, Hong Kong	852 3926 8333	<a href="mailto:jolyn.dang@segantii.com">jolyn.dang@segantii.com</a>
Siguler Guff & Company, LP	Doug Loveland	825 Third Avenue, 10th Floor, New York, NY 10022	(212) 634-5980	<a href="mailto:dloveland@sigulerguff.com">dloveland@sigulerguff.com</a>
Silchester International Investors	Jenni Bourque	780 Third Avenue, 42nd Floor, New York, NY 10017	(212) 377-3712	<a href="mailto:jbourque@silchester.com">jbourque@silchester.com</a>
Stark Investments	Tim Gullickson, CFA	735 North Water Street, Suite 790, Milwaukee, WI 53202	(414) 294-7577	<a href="mailto:IRTeam@starkinvestments.com">IRTeam@starkinvestments.com</a>
Sterling Capital (Chicago)	Ron Liberman	401 N. Michigan Avenue, Suite 3300, Chicago, IL 60611	(847) 412-6227	<a href="mailto:rliberman@sterlingpartners.com">rliberman@sterlingpartners.com</a>
Sterling Group Partners L.P.	John Hawkins	Nine Greenway Plaza, Suite 2400, Houston, TX 77046	(713) 877-8257	<a href="mailto:jhawkins@sterling-group.com">jhawkins@sterling-group.com</a>
Tennenbaum Capital Partners, LLC	Jessica Ekeberg	2951 28th Street, Suite 1000, Santa Monica, CA 90405	(310) 566-1000	<a href="mailto:Investor.Relations@TennenbaumCapital.com">Investor.Relations@TennenbaumCapital.com</a>
THL Credit	Patrick Glavey	570 Lexington Avenue, 21st Floor, New York, NY 10022	(212) 829-3103	<a href="mailto:pglavey@thlcredit.com">pglavey@thlcredit.com</a>
Viking Global	Savina Boyadjieva	280 Park Avenue, New York, NY 10017	(212) 672-7392	<a href="mailto:sboyadjieva@vikingglobal.com">sboyadjieva@vikingglobal.com</a>
Virage	Edward Ondarza	1700 Post Oak Blvd, 2 Blvd Place, Ste 300 Houston, TX 77056	(713) 840-7700	<a href="mailto:eondarza@viragecm.com">eondarza@viragecm.com</a>
Waterfall	Russ Andrews	1140 Ave of the Americas, 7th Floor, New York, NY 10036	(212) 257-4612	<a href="mailto:randrews@waterfallam.com">randrews@waterfallam.com</a>
Wellington Management Company, LLP	Lee E. Cohen, CFA	280 Congress Street Boston, MA 02110	(617) 790-7633	<a href="mailto:lecohen@wellington.com">lecohen@wellington.com</a>
Westwood Global Investments (WGI)	Ted Sullivan	One Financial Center, Suite 1620, Boston, MA 02111	(617) 428-4048	<a href="mailto:tsullivan@westwoodglobal.com">tsullivan@westwoodglobal.com</a>
Westwood Trust	Kim Calhoun	200 Crescent Court, Suite 1200, Dallas, TX 75201	(214) 756-6989	<a href="mailto:kcalhoun@westwoodgroup.com">kcalhoun@westwoodgroup.com</a>
Wexford Capital LLC	Marc Leferman	411 West Putnam Avenue, Greenwich, CT 06830	(203) 862-7024	<a href="mailto:mlefer@wexford.com">mlefer@wexford.com</a>

2) Texas Tech University System does not currently use soft dollar, directed brokerage or directed commission, commission recapture, or similar arrangements.

3) Texas Tech University System is associated with Texas Tech Foundation, Inc. (TTFI), which is a separate legal entity. TTFI's investments are commingled with those of the System and are managed by staff and outside managers. Its investment assets at 8/31/17 total \$571,781,445 which are included in the Summary of Investments.

Prepared by: Eric Fisher  
Asst Vice Chancellor - Treasury  
Texas Tech University System  
(806) 742-1700  
e.fisher@ttu.edu