

408(b)(2) Fee Disclosure, Investor Services

This Document contains the most recent information about the services JPMorgan Chase Bank, N.A. (“J.P.Morgan”) offers to retirement plans, as well as the compensation J.P.Morgan reasonably expects to receive with regard to those services.

This information is intended to assist you in determining the reasonableness of your plan’s contracts or arrangements with J.P.Morgan, pursuant to section 408(b)(2) of the Employee Retirement Income Security Act of 1974 (ERISA). You may also request a paper copy of this disclosure by contacting your J.P.Morgan Client Service Manager.

Document Name: 408(b)(2) Fee Disclosure, Security Services							
Service Provider Information: JPMorgan Chase Bank, N.A., 4 Metrotech Center Floor 6th, Brooklyn, NY 11245							
Name of Service	Description of Service	Compensation Type	Compensation Source/Payer (Indirect and Related Party only)	Compensation Description	Where Compensation is Disclosed (if service is applicable)	Manner of Receipt of Compensation	Fiduciary Status
Basic Custody & Trust Services	Safekeeping, Administration, and Transactions: safekeeping – identifying on J.P. Morgan's custody systems that assets credited to a customer's account belong to the customer, or the trust where J.P. Morgan is the trustee, except as otherwise agreed upon. Administration – crediting the customer's account with principal and income proceeds on assets, net of any taxes withheld (principal and income processing). Obtaining and providing information concerning corporate actions from publicly available sources and subscription services to the customer (corporate action notification). Notifying the customer of any notices received by J.P. Morgan regarding settled securities class action litigation, upon which the customer may take their own action (basic securities litigation notification service). Monitoring information distributed to holders of assets about upcoming shareholder meetings, providing the customer, through third-party service provider Broadridge Securities Processing Solutions, Inc. ("Broadridge"), proxy services including, without limitation, providing the customer with all required communications, voting services, tabulation services, and shareholder validation services (proxy services); Ongoing maintenance of standard accounts including set-up and market entry (custody account administration). Transactions – processing client trade posting and settlement instructions, received either electronically or manually by J.P. Morgan. This includes trade settlement and support for unmatched and failing transactions. Note with regards to Trustee services: When J.P. Morgan acts as Trustee, the trust is the legal owner of the assets.	Direct	N/A	Safekeeping: J.P. Morgan generally charges either a flat fee, a charge per asset position, or a variable fee. Variable safekeeping charges will be calculated by J.P. Morgan at the end of the billing period using asset values on the last day of such billing period derived from data provided by J.P. Morgan's selected pricing sources in accordance with J.P. Morgan's pricing practices. Administration: Fees are applied as a flat fee, or per event (i.e. per vote submitted for proxy services, per principal or income amount credited for principal and income processing). Transactions: J.P. Morgan will charge either a flat fee or a variable fee. If variable, fees are applied to all asset transactions (including receives and delivers, both vs payment and free of payment), effected during the billing period. It is assumed that J.P. Morgan receives authorized instructions in an electronic format that enables straight-through processing when applicable. Trade instructions that require manual input or repair will incur additional surcharges. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	J.P. Morgan is a fiduciary under ERISA to the extent, if any, that J.P. Morgan's express responsibilities under the applicable agreement constitute it as a fiduciary under ERISA.
		Indirect	Broadridge Securities Processing Solutions, Inc.	J.P. Morgan has entered into a Master Service Provider Agreement with Broadridge pursuant to which, among other things, Broadridge provides proxy services to J.P. Morgan in exchange for service fees (the "Service Fees"). Broadridge, acting as a billing and collection agent on J.P. Morgan's behalf, also invoices the underlying issuers of securities for fees in respect of such proxy services (the "Reimbursement Fees"), up to the maximum amount permitted to be charged for proxy services pursuant to the rules of the NYSE or other applicable exchange organizations or regulatory authorities. In the event that the aggregate amount of the Reimbursement Fees collected by Broadridge from issuers is greater than the amount of the Service Fees, Broadridge remits the balance to J.P. Morgan annually. Conversely, in the event that the aggregate amount of the Reimbursement Fees collected by Broadridge from issuers is less than the amount of the Service Fees, J.P. Morgan remits the balance to Broadridge annually.	N/A	If applicable, check payable to J.P. Morgan from Broadridge.	No
		Related Party	JPMorgan Chase Bank, N.A.	From the variable safekeeping and transaction charges described above that J.P. Morgan charges directly, J.P. Morgan may pay some or all of those fees to its local subcustodians with respect to assets held outside the U.S. by such local subcustodian. J.P. Morgan may also pay from its own assets system access and other administrative fees to such local subcustodians.	N/A	Direct payment from J.P. Morgan to local subcustodian.	N/A
Settled Securities Litigation Service	This service supports the preparation and submission of claims with respect to settled securities litigations. J.P. Morgan, in partnership with its' vendor, identifies settled securities litigations in applicable markets, determines eligibility, and files on behalf of subscribed clients. The vendor tracks the status of the filings and communicates with claims administrators as needed. Cash proceeds are directed by the claims administrators to J.P. Morgan for further credit to client's accounts. This is a subscription-based service, governed by specific language in the client agreement.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. If variable, J.P. Morgan will charge a transaction fee per securities litigation filing, per individual account. Charges will be invoiced during the month in which the filing is made. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
Group Litigation Monitoring & Filing Services	This service supports the provision of notifications regarding Group Litigations to subscribing clients. This service is different from the Settled Securities Litigation service in that eligible investors must participate in the legal action or group litigation at the outset in order to benefit from any settlement. J.P. Morgan, in partnership with its' vendor, identifies legal actions (pre-judgment, pre-settlement) in various jurisdictions globally. J.P. Morgan, through its' vendor, will: obtain requisite paperwork from case organizers and will forward the same to subscribed clients, estimate preliminary eligibility, and provide data to customers. It is the client's responsibility to complete and execute the documentation and pay any relevant legal fees. The vendor tracks the case and the filing through its life cycle. This is a subscription-based service, governed by specific language in the client agreement. There is an annual monitoring fee. Subscribers also will be charged fees related to their filing. Separate fees may be required or assessed by the litigation organizer directly.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. If variable, J.P. Morgan will charge an annual monitoring fee per contracting legal entity and a transaction fee per filing, per individual account. Transaction fees for filings will be invoiced during the month in which the filing is made. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No
Early Termination	Provide the ability for the client to terminate their Trust or Custody Agreement prior to the initial term, upon advanced written notice and upon payment of a termination fee. Please refer to your Trust or Custody Agreement for details on the specific advanced notice period	Termination Fee	N/A	J.P. Morgan may charge a termination fee should the customer choose to terminate their Trust or Custody Agreement prior to the initial term of the contract. Please refer to your Trust or Custody Agreement, current fee schedule, and any amendments for the specific fee arrangement agreed upon.	Trust or Custody Agreement, Fee Schedule or any amendments for the specific fee arrangement.	Direct debit or payment on invoice per mutual agreement.	N/A

Name of Service	Description of Service	Compensation Type	Compensation Source/Payer (Indirect and Related Party only)	Compensation Description	Where Compensation is Disclosed (if service is applicable)	Manner of Receipt of Compensation	Fiduciary Status
Fund Order Routing & Settlement Service (FORSS)	Mutual Fund Trade Processing - Provide the client with the ability to place Mutual Fund trades for a wide array of fund families via an online web application. Instructions can alternately be taken from the client via an automated file, SWIFT or if necessary via fax.	Direct	N/A	Safekeeping: J.P. Morgan generally charges either a flat fee, or a variable fee. Variable safekeeping charges will be calculated by J.P. Morgan at the end of the billing period using asset values on the last day of such billing period derived from data provided by J.P. Morgan's selected pricing sources in accordance with J.P. Morgan's pricing practices. Transactions: J.P. Morgan will charge either a flat fee or a variable fee. If variable, fees are applied to all asset transactions (including receives and delivers, both vs payment and free of payment), effected during the billing period. It is assumed that J.P. Morgan receives authorized instructions in an electronic format that enables straight-through processing when applicable. Trade instructions that require manual input or repair will incur additional surcharges. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
		Indirect	Various Mutual Funds and Collective Funds.	SunGard Institutional Brokerage Inc. (SIBI), a subcontractor of J.P. Morgan, receives 12b-1 and/or shareholder servicing and/or sub-transfer agent and/or per participant fees from the various funds available on its platform in consideration for performing various administrative and distribution services with respect to such funds pursuant to agreements between SIBI and each fund.	See summary of expenses and fees in the Prospectus and/or Statement of Additional Information (SAI) related to 12b-1 and/or shareholder servicing and/or sub-transfer agent and/or participant fees collected by SIBI.	Received from mutual funds and/or collective funds.	
		Related Party	Various Mutual Funds and Collective Funds.	Fidelity Clearing & Custody Solutions ("FCCS"), a subcontractor of J.P. Morgan, receives 12b-1 and/or shareholder servicing and/or sub-transfer agent and/or per participant fees from the various funds available on its platform in consideration for performing various administrative and distribution services with respect to such funds pursuant to agreements between FCCS and each fund.		Offset against fees payable by J.P. Morgan to SIBI and potentially payment from SIBI.	
	Alternative Fund Trade Processing - completing subscription documents and processing related trades with the underlying hedge fund's transfer agent within the client portfolio.	Direct	Fidelity Clearing & Custody Solutions ("FCCS")	Pursuant to agreement between FCCS and J.P. Morgan all fees received by FCCS as referenced above are split 60/40, with J.P. Morgan receiving 60% of the fees.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	
Hedge Fund Services - Fund of Hedge Fund Administration	Provide the client with accounting and investor relations services including, but not limited to, trade processing, reconciliations, valuations, NAV calculation, allocations, AML/KYC, subscription and redemption processing and investor reporting.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are calculated as a basis point fee on the net asset value of the fund. If applicable, a minimum fee and an annual base fee may also apply. Please refer to your current fee schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your fee schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No
Tri-Party Custodial Arrangements in connection with Repurchase Agreements	In a repurchase agreement, the seller receives cash and sells securities which the buyer agrees to sell back to the seller at an agreed-upon price. Many sellers and buyers use a tri-party collateral arrangement, such as the Custodial Undertaking in Connection with Master Repurchase Agreement, rather than having a seller maintain custody of the securities or requiring the buyer to keep track of the collateral received, including whether sufficient eligible collateral has been delivered.	Indirect	Seller	The sellers that use J.P. Morgan to provide this service have negotiated the following fees: (i) a fee of 0.75-4.50 basis points ("bps") per annum on average across various markets on the collateral securities held, (ii) movement fee/settlement fee of \$1-\$25 per transaction across most major markets, paid when securities are delivered into or out of seller's account (excluding substitutions and allocations), and (iii) safekeeping fee of 0-3.0 bps on average across various markets on the securities held long within the seller's account. an (iv) \$0-\$25k one-time onboarding fee. The fees reflected above (except the one-time onboarding fee) are subject to a minimum fee amount as negotiated with the seller.	Fee Schedule	Direct debit or payment on invoice to seller per mutual agreement.	No
Tri-Party Custodial Arrangements in connection with Securities Lending Transactions	When borrowers in a securities lending transaction post securities as collateral, rather than cash, borrowers/lenders may use a tri-party collateral arrangement, such as the Custodial Undertaking in Connection with Master Securities Loan Agreement, rather than delivering the securities directly to the lender.	Indirect	Borrower	The borrowers that use J.P. Morgan to provide this service have negotiated the following fees: (i) a fee of 0.75-4.50 basis points ("bps") per annum on average across various markets on the collateral securities held, (ii) movement fee/settlement fee of \$1-\$25 per transaction across most major markets, paid when securities are delivered into or out of borrower's account (excluding substitutions and allocations), and (iii) safekeeping fee of 0-3.0 bps on average across various markets on the securities held long within the borrower's account and (iv) one-time onboarding fee of \$0-\$25k. The fees reflected above (except the one-time onboarding fee) are subject to a minimum fee amount as negotiated with the borrower.	Fee Schedule	Direct debit or payment on invoice to seller per mutual agreement.	No
Derivatives Collateral Management	Provide collateral management services (as custodial collateral agent) to clients that undertake cleared and non-cleared derivatives transactions or similar trading activity requiring collateral margining activities (e.g. bilateral repurchase agreements, MSFTA). This includes the provision of the following services: account agreement management, margin call calculation and management, collateral eligibility testing, collateral safekeeping, collateral substitution, trade reconciliation, dispute resolution and reporting.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. There is also a \$0-\$25k one-time onboarding fee. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice to client.	No
Tri-Party or Bilateral Custodial Control Accounts	Control accounts provide a means by which a Pledgor can post collateral consisting of cash and/or securities to a Secured Party while maintaining title over such collateral until an event of default occurs. Collateral is delivered/booked to a control account in the name of the Pledgor for the benefit of the Secured Party. In accordance with the legal agreement, the Secured Party exercises control over the account and instructs the Custodian in regards to the acceptance, return, and disposition of the collateral.	Direct / Indirect (based on whether Pledgor or Secured Party pays compensation pursuant to the terms of the Fee Schedule).	Pledgor or Secured Party (based on terms of Fee Schedule).	The Pledgor of collateral or the Secured Party that use J.P. Morgan to provide this service have negotiated the following fees: (i) a fee of 1.0-3.5 basis points ("bps") per annum on average across various markets on the collateral securities held, (ii) a fee of 0-3.5 basis points ("bps") per annum on average across various markets on cash held, (iii) a movement fee/settlement fee of \$0-\$25 per transaction across most major markets, paid when cash or securities are delivered into or out of seller's account, (iv) an annual fee per account ranging between \$0 - \$5,000, and if applicable (v) a safekeeping fee of 0-3.0 bps on average across various markets on the securities held long within the Pledgor's account, (vi) onboarding fees \$0- \$25k, (vii) an annual fee per cash DDA of \$0-\$1,600. The fees reflected above are typically subject to a minimum fee amount as negotiated with the Pledgor or Secured Party.	Fee Schedule	Direct debit or payment on invoice to Pledgor or Secured Party per mutual agreement.	No

Name of Service	Description of Service	Compensation Type	Compensation Source/Payer (Indirect and Related Party only)	Compensation Description	Where Compensation is Disclosed (if service is applicable)	Manner of Receipt of Compensation	Fiduciary Status
Portfolio Accounting	Provide portfolio accounting and reporting services for subscribed clients	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are charged per account. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
Plan Accounting	Allocation of investment activity and ownership among participating plans or legal entities with an interest in a Trust or collective investment structure.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are charged per plan and/or investment pool/option. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No
Fund Accounting	Calculate daily net asset value and provide monthly portfolio accounts, including asset valuation, transaction and holding reports, income and expense and trial balances for subscribed clients.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are charged per account. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
Transfer Agency	Process participant subscriptions and redemptions. Provide daily and monthly reporting of shareholder activity and positions. Process money movements to and from the funds' custody accounts on behalf of participants. Maintain register of all participant accounts.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are charged Per Unit Holder. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No
Compliance Reporting Services	Provide compliance reporting based on client-defined regulatory rule sets and investment management rules for trust and custody clients. Compliance reports are available to clients via J.P. Morgan Markets.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees vary based on frequency of reporting and type of compliance reporting service requested. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No
Portfolio Insight	Provision of a set of holding reports covering a number of investment exposure dimensions including but not limited to issuer, counterparty and industry. The reports are to client via J.P. Morgan Markets.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees vary based on frequency of reporting and type of compliance reporting service requested. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No
Investment Analytics & Consulting	Provide performance measurement, analytics, attribution, risk measurement and investment manager analysis for trust and custody clients. The reporting and analysis that is provided can be customized to meet specific client requirements.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees vary based on frequency of reporting and type of investment analytics reporting service requested. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
Benefit Payments	Recurring and lump sum benefit payment processing and applicable tax reporting services.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are transaction based (per check, EFT, tax form or report). Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
		Indirect	N/A	Cash Balance Float Revenue: See description above for Cash Safekeeping.	Form 5500 Schedule C Service Provider Indirect Compensation Disclosure – Investor Services (as of most recent calendar year end for which J.P. Morgan served as a service provider to the plan).		
Private Equity and Real Estate Services - Portfolio Administration	Processing Services: transaction cash support for alternative investment capital calls and distributions, monthly or daily roll-forward adjustment of valuations.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are based on volumes of alternative investments in the client portfolio, and the level of alternative asset processing and reporting requested. Variable fees can include base fee and per investment fees or a flat fee not in connection with other services provided by Investor Services. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No
	Electronic Document Management: centralized community of documents via web-based portal.						
	Reporting Services - Fund-Level: portfolio performance reporting (IRR and investment multiple).						
	Reporting Services - Portfolio-Company Level: underlying Portfolio investment drill-down "transparency" reporting.						
	Private IQ: access to the Burgiss data universe for benchmark and cash flow forecasting tools, based on non-client specific data.						
CFO Tool: enhanced accounting support for transaction processing (JPM Initiation).							
OTC Derivatives Services	Over the Counter Derivatives ("OTC") transaction capture and position management, OTC reconciliations to external parties, providing OTC valuations, provision of OTC data reports.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are generally both transaction based (i.e. as and when an event occurs) and position based (i.e., how long we maintain the OTC asset representation). A complexity rating, as well as all other details relating to fees, are specified in the Fee Schedule for each client. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No

Name of Service	Description of Service	Compensation Type	Compensation Source/Payer (Indirect and Related Party only)	Compensation Description	Where Compensation is Disclosed (if service is applicable)	Manner of Receipt of Compensation	Fiduciary Status	
Securities Lending Compensation	J.P. Morgan acts as an agent lender that facilitates the lending of client ("lender") securities to borrowers against either cash or non-cash collateral based upon lender preferences. If cash collateral is received, J.P. Morgan reinvests such cash in accordance with client guidelines.	Indirect	JPMorgan Chase Bank, N.A.	Securities Lending Compensation has three components: Non-Cash Collateral Loans: when collateral posted by borrowers is in the form of non-cash assets, the borrower pays J.P. Morgan a mutually agreed fee. This fee is split between J.P. Morgan and the lender based upon the contractually agreed split as specified within the Securities Lending Agreement. Cash Collateral Loans: when collateral posted by borrowers is in the form of cash ("cash loans"), J.P. Morgan invests the cash received according to lender defined investment guidelines and returns the applicable rebate to the borrower. Income remaining (post the rebate paid to the borrower) is split between J.P. Morgan and the lender based upon the contractually agreed split, as specified within the Securities Lending Agreement. Cash Management Fee: In addition, clients may negotiate an investment management fee into their contract and this fee is retained by J.P. Morgan.	Securities Lending Agreement	N/A	For securities lending product users, J.P. Morgan acts in a fiduciary capacity for all cash re-investment related activities. In addition, J.P. Morgan also acts in a fiduciary capacity when it exercises discretion in the offering of securities loans on behalf of and for the benefit of lenders.	
				Securities Lending Float Revenue: See description above for Cash Safekeeping.	Form 5500 Schedule C Service Provider Indirect Compensation Disclosure – Investor Services (as of most recent calendar year end for which J.P. Morgan served as a service provider to the plan).	Net interest income credit by J.P. Morgan's Corporate Treasury Group.		
				Various (see explanation in next column).	Fees received by other J.P. Morgan businesses: Settlement Fees: In addition to the tri-party fees discussed above, and regardless of whether the borrower posts cash or securities as collateral, borrowers that custody their securities at J.P. Morgan pay regular "receive and deliver" transaction settlement fees (\$1 - \$25, depending on liquidity and size of market) when securities are delivered to their account in connection with a borrowing or a return of a borrowing, regardless of whether they are borrowing from J.P. Morgan's securities lending program or any other securities lending program. The decision to borrow is made entirely by the applicable borrowers. These fees are for custody services provided to the borrowers and are unrelated to the securities lending program. Accordingly, the revenue split of securities lending income described elsewhere in this disclosure does not apply to these fees. Your securities lending agreement or securities lending reports will provide you with the names of the borrowers to your plan. Generally, 20 - 40% of these borrowers use J.P. Morgan to custody securities and receive and deliver borrowed securities. If you would like additional information, please contact your relationship manager. Plans may limit borrowers for any reason, including whether a borrower uses the bank for government securities custody and tri-party collateral agent services.	Form 5500 Schedule C Service Provider Indirect Compensation Disclosure – Investor Services (as of most recent calendar year end for which J.P. Morgan served as a service provider to the plan).		Fee revenue; formula varies based upon dealer contract with J.P. Morgan.
				N/A	EquiLend is a securities lending platform pursuant to which J.P. Morgan has an ownership interest. J.P. Morgan's ownership interest in EquiLend may increase in value as a result of lending transactions that utilize EquiLend.	Securities Lending Agreement and EquiLend Description and Consent to J.P. Morgan's Participation on Lender's Behalf Exhibit to Securities Lending Agreement.		N/A
Cash Management Services for Unitized Company Stock Fund	Maintain cash equivalent, i.e., money market fund, and employer securities within parameters set by named fiduciary (generally, the Committee) by buying or selling employer securities from broker designated by named fiduciary or cash equivalents.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees will be agreed upon with client. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No	
Supplemental Tax Services	European Court of Justice (ECJ) Tax Services: Provision of income reports for a client to file ECJ reclaims.	Direct	N/A	Fee is hourly.	Fee Schedule	Direct debit or payment on invoice per mutual agreement.	No	
	Ad Hoc Tax Reclaims: The filing of reclaims not covered under a custody tax service.			Fee is per ad hoc reclaim.				
	Tax Reclaim Servicing on Swedish Redemption Events: File reclaims on Swedish redemption events.			Fee is per redemption event.				

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J.P. Morgan CARS	J.P. Morgan CARS is a proprietary service that allocates daily cash and periodically rebalances complex fund of fund structures, including target date funds and other managed allocation fund structures. CARS allocates daily cash flows based on client directed parameters, and periodically rebalances the underlying funds in order to return their allocations to the prescribed targets. CARS is fully automated, and integrated with J.P. Morgan's custody and accounting systems.	Direct	N/A	J.P. Morgan will charge either a flat fee or a variable fee. Variable fees are based on number of top level "funds of funds" and the underlying funds and/or basis points on the assets administered by the services. Please refer to your current Fee Schedule and any amendments for more information on applicable services and for specific rates and charges. You may request another copy of your Fee Schedule by contacting your J.P. Morgan Client Service Manager.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
Money Market Mutual Fund Automated Sweep Investment – J.P. Morgan Funds	Daily investment in client-designated J.P. Morgan money market mutual funds via the Intra-Day or End-of-Day Sweep Service.	Related Party	JP Morgan Distribution Services, Inc. (affiliate)	Pursuant to agreements with the relevant Fund or the Fund Manager, as applicable, J.P. Morgan may receive up to the full amount of the shareholder servicing fees listed in the relevant Fund's Prospectus and Statement of Additional Information as percentage of the average daily assets of the relevant Fund's shares held in J.P. Morgan customer accounts. The annual rate of total fees received by J.P. Morgan, including the revenue sharing fees described below, is capped at the relevant Fund's total annual expense ratio less 0.10% on all share classes, except the Capital and Institutional share classes. For the Capital share class, the rate is capped at the relevant Fund's total annual expense ratio less 0.08%. For the Institutional share class, the rate is capped at the relevant Fund's total annual expense ratio less 0.11%. The actual amount received by J.P. Morgan may be reduced by fee waivers as instituted by the relevant Fund or Fund Manager from time to time.	Prospectus; and Statement of Additional Information; Form 5500 Schedule C Service Provider Indirect Compensation Disclosure – Securities Services (as of the most recent calendar year-end for which J.P. Morgan served as a service provider to the Plan); and "Sweep Service into J.P. Morgan Money Market Mutual Funds" disclosure statement in the Authorization to Sweep Cash into Money Market Mutual Funds.	Monthly payment by Fund and Fund Manager.	No
			J.P. Morgan Investment Management Inc. (affiliate); JP Morgan Investment Advisors, Inc. (affiliate)	Pursuant to agreements with the relevant Fund or the Fund Manager, as applicable, J.P. Morgan may receive, as revenue sharing fees, up to 0.05% of the average daily assets of the relevant Fund's shares held in J.P. Morgan customer accounts. The annual rate of total fees received by J.P. Morgan, including the shareholder servicing fees described above, is capped at the relevant Fund's total annual expense ratio less 0.10% on all share classes, except the Capital and Institutional share classes. For the Capital share class, the rate is capped at the relevant Fund's total annual expense ratio less 0.08%. For the Institutional share class, the rate is capped at the relevant Fund's total annual expense ratio less 0.11%. The actual amount received by J.P. Morgan may be reduced by fee waivers as instituted by the relevant Fund or Fund Manager from time to time.			Monthly payment by Fund and Fund Manager.
Money Market Mutual Fund Automated Sweep Investment – Third Party Funds	Daily investment in client-designated money market mutual funds of third party fund providers via the Intra-Day or End-of-Day Sweep Service.	Indirect	Third party fund and/or its affiliates	Pursuant to agreements with the relevant Fund or Fund Manager, as applicable, J.P. Morgan may receive fees, including 12b-1 fees and shareholder servicing fees, as described in the relevant Fund's Prospectus and Statement of Additional Information. J.P. Morgan may also receive revenue sharing fees. The annual rate of total fees received by J.P. Morgan, as a percentage of the average daily assets of the relevant Fund's shares held in J.P. Morgan customer accounts, is capped at 0.10%. The actual amount received by J.P. Morgan may be reduced by fee waivers as instituted by the relevant Fund or Fund Manager from time to time.	12b-1 and Shareholder Servicing Fees: Prospectus and Statement of Additional Information; "Sweep Service into Third Party Money Market Mutual Funds" disclosure statement in the Authorization to Sweep Cash into Money Market Mutual Funds. Revenue Sharing Fees:– Form 5500 Schedule C Service Provider Indirect Compensation Disclosure – Securities Services (as of the most recent calendar year-end for which J.P. Morgan served as a service provider to the Plan); "Sweep Service into Third Party Money Market Mutual Funds" disclosure statement in the Authorization to Sweep Cash into Money Market Mutual Funds.	Monthly payment by Fund and Fund Manager.	No
Cash and Liquidity Services - Customized Short Term Investment Fund - STIF	Provide investment management services for client-specific custom domestic short term investment fund (STIF).	Direct	N/A	J.P. Morgan charges a fixed basis point fee assessed daily and paid monthly on total assets in the account.	Investment Management Agreement	Direct debit or payment on invoice, per mutual agreement.	No
		Indirect	Various (see explanation in next column).	Cash Investment in Repurchase Agreements using Tri-Party Arrangement Compensation: In compliance with your guidelines, J.P. Morgan may invest the STIF in repurchase agreements. In a repurchase agreement, the counterparty receives cash and puts up securities as collateral. Virtually all repurchase agreement counterparties use a tri-party collateral arrangement rather than delivering the securities to the plan entering into the agreement. Two banks provide this service to the overwhelming majority of banks and broker-dealers; J.P. Morgan is one of those two banks. Repurchase agreement counterparties using this service have negotiated a fee arrangement of either up to \$25 per transaction or an annual fee of up to 3 basis points on the securities so held. These fees are different from other fees because they are, in fact, tri-party collateral fees from the custody segment of our banking business and are retained by J.P. Morgan. Your reports will provide you with the names of the repurchase agreement counterparties to your plan. Generally, 20-40% of these counterparties use J.P. Morgan as tri-party collateral agent. If you would like additional information, including a full list of potential repurchase counterparties, please contact your relationship manager. Additional disclosure regarding these fees can be found in the letter provided to you specifically with respect to these fees related to securities lending investment of cash collateral. If you need another copy of that document, please contact your relationship manager. Whether repurchase agreement counterparty is a client of the tri-party collateral and custody business is not taken into account by J.P. Morgan as investment manager when making decisions on repurchase agreement counterparties. Plans may limit counterparties for any reason, including whether a borrower uses the bank for custody and tri-party collateral agent services.	Form 5500 Schedule C Service Provider Indirect Compensation Disclosure – Investor Services (as of most recent calendar year end for which J.P. Morgan served as a service provider to the plan).	Fee revenue; formula varies based upon dealer contract with J.P. Morgan.	J.P. Morgan acts in a fiduciary capacity for all cash investment related activities.

Name of Service	Description of Service	Compensation Type	Compensation Source/Payer (Indirect and Related Party only)	Compensation Description	Where Compensation is Disclosed (if service is applicable)	Manner of Receipt of Compensation	Fiduciary Status
Cash Safekeeping (Float Revenue on Uninvested Cash)	Provide safekeeping for funds that may be held: (i) as un-invested cash (i.e. cash that is received after cut-off time for designated sweep vehicle or for which no sweep vehicle has been designated); (ii) with respect to failed securities transactions; or (iii) in demand deposit or other non-interest bearing accounts established for the payment of disbursements or benefits or that are otherwise maintained for similar purposes in administering the account. The float period for: (i) disbursements commences one to five business days after a check for the payment of such benefits or disbursements is mailed and ends on the date the check is presented for encashment; (ii) failed securities transactions commences on the contractual settlement date and ends on the date the transaction is settled or cancelled at the direction of the Investment Manager (or the Committee in the case of a Company-Directed Account, as applicable); and (iii) un-invested cash commences when such cash is received and ends on the date that such cash is invested pursuant to proper instructions.	Indirect	Various (see explanation in next column).	J.P. Morgan, its affiliates, and its subcustodians derive earnings (float) from the use of cash held on deposit. There is no specific rate at which such float accrues. J.P. Morgan employs such funds in a variety of financial instruments including, but not limited to, loans to J.P. Morgan's customers and investment securities. Any remaining funds are held in J.P. Morgan's account with the Federal Reserve Bank, where such funds earn interest at a rate determined from time to time by the Board of Directors of the Federal Reserve Bank System. With respect to non-US dollar accounts, where J.P. Morgan is a direct member of the local monetary system, J.P. Morgan may invest such funds in a variety of financial instruments or may leave such funds on deposit with the local central bank, where such funds earn interest in accordance with local market practice. Where the J.P. Morgan is not a direct member of the local system, funds are held at local subcustodian banks and, depending on the market in question, J.P. Morgan may earn interest at rates offered by such local subcustodian.	Form 5500 Schedule C Service Provider Indirect Compensation Disclosure – Investor Services (as of most recent calendar year end for which J.P. Morgan served as a service provider to the plan).	Net interest income credit.	No
Earnings Credit Rate (ECR)	Under the ECR program, eligible accounts holding un-invested cash will generate a credit (Earnings Credit) that can be used to reduce the amount of direct service fees the customer is required to pay J.P. Morgan. The amount of credit is based on a rate, the ECR, set periodically by J.P. Morgan after considering a range of factors, including, but not limited to: (i) the market rate environment, (ii) deposit insurance fees, (iii) relevant competitor pricing; and (iv) J.P. Morgan's demand for funds. On days during which the relevant account(s) end the day in a positive cash balance, J.P. Morgan will calculate the Earnings Credit using the following formula: closing cash balance on that business day x the ECR rate/ Number of days in the year. J.P. Morgan will apply the Earnings Credit, if any, towards the customer's custody fees. Depending on the account analysis platform, Earnings Credits may expire at the end of the billing cycle or at the end of a calendar year, unless otherwise explicitly and mutually agreed by the customer and J.P. Morgan. For more information see the applicable agreements and disclosures you received prior to electing ECR (and any amendments or notices you may receive thereafter). You may request a more detailed description of ECR, including current rates, from your J.P. Morgan Client Service Manager at any time.	Indirect	JPMorgan Chase Bank, N.A.	J.P. Morgan earns revenue by retaining the difference, if any, between the float earned on cash balances and the Earnings Credit J.P. Morgan applies toward reducing customer fees. For additional information on Float, please see the Cash Safekeeping description above.	Earnings Credit Rate Disclosure received prior to electing ECR (and any amendments or notices you may have received thereafter). To view rates and earnings credits applicable to your account(s) at any time, navigate to the "Earnings Credits – Premium Assessment Fees – Overdraft Charges Statement" within the Views Portfolio Reporting (VPR) tool in J.P. Morgan Markets (www.jpmm.com). Or, contact your J.P. Morgan Client Service Manager.	Net interest income credit.	No
Interest Bearing Account	The Interest Bearing Account provides participating clients with the ability to earn interest based on the available cash balances that are held in their applicable account(s). The rate of interest is set periodically by J.P. Morgan after considering a range of factors, including, but not limited to: (i) the market rate environment; (ii) deposit insurance fees, (iii) relevant competitor pricing; and (iv) J.P. Morgan's demand for funds. On days during which the interest bearing account(s) end the day in a positive cash balance, J.P. Morgan will calculate interest using the following formula: Available cash closing balance of that business day x the interest rate/ number of days in the year.	Indirect	JPMorgan Chase Bank, N.A.	J.P. Morgan earns revenue by retaining the difference, if any, between the float earned on cash balances and the rate paid on deposits. For additional information on Float, please see the Cash Safekeeping description above.	Interest Bearing Account Disclosure received prior to electing Interest Bearing Accounts (and any amendments or notices you may have received thereafter). To view rates and interest applicable to your account(s) at any time, navigate to the "Earnings Credits – Premium Assessment Fees – Overdraft Charges Statement" within the Views Portfolio Reporting (VPR) tool in J.P. Morgan Markets (www.jpmm.com). Or, contact your J.P. Morgan Client Service Manager.	Net interest income credit.	No

Name of Service	Description of Service	Compensation Type	Compensation Source/Payer (Indirect and Related Party only)	Compensation Description	Where Compensation is Disclosed (if service is applicable)	Manner of Receipt of Compensation	Fiduciary Status
Hybrid Product (ECR plus Interest Bearing Account)	Combination product consisting of the Earnings Credit Rate (ECR) service and the Interest Bearing Account service. The client sets a "peg" amount and ECR is applied up to the peg balance; cash balances above the peg amount earn hard dollar interest. The ECR provides soft dollar credit for the client to offset servicing fees on the client's invoice. For additional information on ECR and Interest Bearing Accounts please see the applicable service descriptions above.	Indirect	JPMorgan Chase Bank, N.A.	J.P. Morgan earns revenue by retaining the difference, if any, between: (i) the float earned on cash balances and (ii)(a) the combined Earnings Credit J.P. Morgan applies toward reducing customer fees; or (b) the rate paid on deposits. For additional information on Float, please see the Cash Safekeeping description above.	Earnings Credits Rate and Interest Bearing Account Disclosure received prior to electing Hybrid Product (and any amendments or notices you may have received thereafter). To view rates, interest and earnings credits applicable to your account(s) at any time, navigate to the "Earnings Credits – Premium Assessment Fees – Overdraft Charges Statement" within the Views Portfolio Reporting (VPR) tool in J.P. Morgan Markets (www.jpmm.com). Or, contact your J.P. Morgan Client Service Manager.	Net interest income credit.	No
Overdraft Protection (Overdraft Fees)	The advance, by J.P. Morgan, of an amount equal to the amount of any overdraft in a customer's account if a debit to any currency in the customer's account results in a debit balance. If J.P. Morgan elects to make such an advance, it will be deemed a loan to the customer, payable on demand, bearing interest at the applicable rate charged by J.P. Morgan.	Direct	N/A	For U.S. based accounts, U.S. dollar overdrafts are currently charged at the Federal Funds Effective rate plus 2%. For non-U.S. based accounts there are 3 categories of overdraft charges. For specifically identified currencies in respect of which the overdraft rate is linked to an external benchmark, the overdraft rate is the external benchmark plus a fixed basis point amount. For specifically identified frequently traded currencies in respect of which an external benchmark is not used by J.P. Morgan, the overdraft rate is a flat number of basis points. For all other currencies, the overdraft rate is a flat number of basis points, subject to change depending on the rate offered by the local sub custodian bank that J.P. Morgan engages in such market. For a limited number of currencies that are not treasury managed or limited movement due to regulation, the overdraft rate is 0 basis points. A chart specifically identifying the rate charged for each currency is included in the current relevant compensation disclosure document.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
Information about trading venues, securities depositories and other platforms	J.P. Morgan, its affiliates, subcustodians or other subcontractors may have an ownership interest in the following entities: (i) trading venues, such as electronic communications networks; and/or (ii) securities depositories.	Indirect/Related Party	N/A	Ownership interests in various trading venues and securities depositories may increase in value based on business transacted through such entities. As a directed trustee or custodian, neither J.P. Morgan nor its subcustodians have any authority or responsibility to select the trading venue or securities depository. Trading venues are selected by the party directing the investment. Securities depositories are a function of the securities infrastructure of a particular jurisdiction and are not selected by J.P. Morgan or its subcustodians.	N/A	N/A	N/A
Gifts and Entertainment	J.P. Morgan's code of conduct and other gift related policies generally prohibit acceptance of any gifts, entertainment or other non-monetary compensation in connection with the services J.P. Morgan provides to any particular client, including any particular plan, or in return for any business of the firm. Exceptions may be made for certain nominal non-cash gifts to employees of less than \$100 in value meeting certain criteria specified in the relevant code of conduct and policy. Acceptance of meals, refreshments, and entertainment in the course of a host- attended, business-related meeting or other occasion may be permitted in certain limited circumstances. Acceptance of travel or accommodation expenses are prohibited. The code of conduct and gift policies set conditions for each of these types of payments, and do not permit any gifts or entertainment unless it is clear that the gift-giving person is not trying to influence or reward the J.P. Morgan employee inappropriately in connection with any business decision or transaction and the gift is unsolicited. J.P. Morgan addresses conflicts of interest by ensuring that any such payments do not relate to any particular transaction or investment made by J.P. Morgan clients.	Indirect	N/A	N/A	N/A	N/A	N/A

Name of Service	Description of Service	Compensation Type	Compensation Source/Payer (Indirect and Related Party only)	Compensation Description	Where Compensation is Disclosed (if service is applicable)	Manner of Receipt of Compensation	Fiduciary Status
Additional Fees							
Negative interest rates on uninvested cash	From time to time, cash deposits in certain currencies may be subject to negative interest rates, in which case J.P.Morgan may derive revenue on the interest charged. Negative rates are generally applicable to currencies and markets where central bank reference rates and/or prevailing overnight money markets rates are negative. Unless specific rate terms are disclosed in fee schedules or other agreements, J.P.Morgan sets clients' negative interest rates considering a number of factors, including, overnight target rates, local market access, prevailing market conditions and the liquidity of the currency.	Direct	N/A	To view rates and interest applicable to your account(s) at any time, navigate to the "Global Cash Account Interest" report within the Views Portfolio Reporting (VPR) tool in J.P.Morgan Markets (www.jpmm.com). Or, contact your J.P.Morgan Client Service Manager.		Net interest income credit.	No
Per-Item Fees	J.P. Morgan may provide certain services on a per-item basis (for example, postage fees, courier fees, wire fees etc.).	Direct	N/A	J.P. Morgan may charge per-item fees for such services. The per-item fees charged by J.P. Morgan may include compensation to J.P. Morgan for such services as well as amounts paid by J.P. Morgan to third party service providers.	Fee Schedule	Direct debit or payment on invoice, per mutual agreement.	No
AutoFX - for information regarding AutoFX please refer to your Trust or Custody Agreement and your Pricing Letter.							
The ERISA Section 408(b)(2) compensation disclosure provided in the table above, supersedes and replaces any Section 408(b)(2) disclosures previously provided to the Plan by J.P. Morgan. For a more complete description of the services provided by J.P. Morgan please consult the applicable legal agreement.							

APPENDIX A: CHANGES AND UPDATES

Under section 408(b)(2) of ERISA, JPMS, as a covered service provider, is required to disclose any changes to the service and compensation information provided in this document. The purpose of this Appendix B is to provide you with a summary of the recent applicable changes that were made to this document.

Effective	Product/Service Name	Description of Update
March 12th, 2020	Money Market Mutual Fund Automated Sweep Investment – J.P. Morgan Funds	Minor edits to Compensation Description
March 12th, 2020	Cash and Liquidity Services - Customized Short Term Investment Fund - STIF	Minor edits to Fiduciary Status
October 1st, 2019	Per-Item Fees	Per-Item Fees added to the "Additional Fees" the section of disclosure
October 1st, 2019	Tri-Party Custodial Arrangements in connection with Repurchase Agreements Tri-Party Custodial Arrangements in connection with Securities Lending Transactions Derivatives Collateral Management Tri-Party or Bilateral Custodial Control Accounts Securities Lending Compensation	Minor edits to Compensation Description No changes to service offering
October 1st, 2019	Earnings Credit Rate (ECR) Interest Bearing Account Hybrid Product (ECR plus Interest Bearing Account)	Minor edits to Where Compensation is Disclosed No changes to service offering
June 26th, 2019	Portfolio Accounting	Product name changed from Pension Accounting. Minor edits to Description of Service. No changes to service offering
June 26th, 2019	Plan Accounting Benefit Payments Fund Accounting	Minor edits to Description of Service. No changes to service offering
June 26th, 2019	Money Market Mutual Fund (MMMF)Automated Sweep Investment – Third Party Funds Money Market Mutual Fund Automated Sweep Investment – J.P. Morgan Funds	Minor edits to Product name / Description of Service / Compensation Description / Where Compensation is Disclosed. No changes to service offering