

**Executive Branch Personnel PUBLIC FINANCIAL DISCLOSURE REPORT:
 Periodic Transaction Report**

Filer's Name Santoro, Karen T.		Title of Position for Which Filing		Department or Agency National Science Foundation		
Certification: I CERTIFY that the statements I have made on this form and any attachments are true, complete, and correct to the best of my knowledge. <input checked="" type="checkbox"/>		Signature of the Filer Santoro, Karen T.		Date (Month, Day, Year) 5/28/2019		
				Notice of Extension <input checked="" type="checkbox"/> Check if granted Indicate Number of days NaN		
Signature of Intermediate Reviewing Official (if required by agency)			Date (Month, Day, Year)		Agency Use Only 5/28/2019	
					OGE Use Only JUN 4, 2018	
Signature of Agency's Final Reviewing Official Clay, Robin			Date (Month, Day, Year) 6/4/2019		Comments of Reviewing Officials	
Signature of Reviewing Official at U.S. Office of Government Ethics (if required)			Date (Month, Day, Year)			

Transactions
 Report any purchase, sale, or exchange by you of stocks, bonds, commodity futures, and other securities if the amount of the transaction exceeded \$1,000. You do not need to report :
 (1) mutual funds and other excepted investment funds; (2) certificates of deposit, savings or checking accounts, and money market accounts; (3) U.S. Treasury bills, notes, and bonds;
 (4) Thrift Savings Plan accounts; (5) real property; and (6) transactions that are solely by and between you, your spouse or dependent child.

Identification of Assets		Transaction Date (Mo./Day/Yr.)	Notification Received More Than 30 Days Ago*	Transaction Type (x)			Amount of Transaction (x)											
				Purchase	Sale	Exchange	\$1,001 - \$15,000	\$15,001 - \$50,000	\$50,001 - \$100,000	\$100,001 - \$250,000	\$250,001 - \$500,000	\$500,001 - \$1,000,000	Over \$1,000,000**	\$1,000,001 - \$5,000,000	\$5,000,001 - \$25,000,000	\$25,000,001 - \$50,000,000	Over \$50,000,000	
Ex.	Central Airlines Co.	10/1/12		X						X								
Ex.	BMSL Propulsion, Inc.	9/4/12	X	X				X										
1	Union Pacific Corp (UNP)	2019-05-14	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Arch Cap Group Ltd (ACGL)	2019-05-17	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Extensions of the due date should be noted in the "Notice of Extension" section of this form.
 ** This category applies only if you are making a voluntary additional disclosure of transactions involving your spouse's and dependent children's assets. If the underlying asset is either held by you or jointly held by you with your spouse or dependent children, use the other higher categories of value, as appropriate.

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