

### STATE BOARD OF DEPOSIT STATE OF OHIO

### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent JP Morgan Chase Bank banking fees [TOS Consolidation Account] for the month of December 2018, are \$400.26.

Mount Cole Imagne
Stacy bunber ander
Flbruary 8,2019



PAGE 1 OF 2

09717 LCC 001 001 719 - NN

### J.P.Morgan

JPMORGAN CHASE BANK, N.A.

STATE OF OHIO TREASURER OF STATE JOSH MANDEL - TOS CONSOLIDATION ACCT 30 E BROAD ST 10TH FL ATTN RECONCILIATION DEPT COLUMBUS OH 43266-0421

INVOICE #:

000100000001524408

ACCOUNT: 001 00000000704346915 01-07-2019

PRODUCTION DATE:

OFFICER CONTACT: GEORGE SESOCK (330) 972-1762

OTHER CONTACT:

GLOBAL CLIENT CARE SERVICE CTR

(888) 434-3030

### **BILLING ACTIVITY**

### Charges and other debits

Invoice Date	Invoice	Description	Amount
10-31-2018	000100000001521752	PREVIOUS SERVICE CHARGE	287.56
11-30-2018	000100000001523073	PREVIOUS SERVICE CHARGE	407.85
12-31-2018	000100000001524408	CURRENT SERVICE CHARGE	400.26
TOTAL			1,095.67

### Payments and other credits

Effective Date	Invoice	Post Date	Description	Amount
07-24-2018	000100000001515103	07-24-2018	INVOICED PAYMENT RECEIVED	451.43
09-04-2018	000100000001516411	09-04-2018	INVOICED PAYMENT RECEIVED	441.14
09-27-2018	000100000001517733	09-27-2018	INVOICED PAYMENT RECEIVED	447.24
11-13-2018	000100000001519024	11-13-2018	INVOICED PAYMENT RECEIVED	446.02
12-19-2018	000100000001520410	12-19-2018	INVOICED PAYMENT RECEIVED	428.99
TOTAL				2,214.82

### INVOICE SUMMARY

Date	Invoice	Total Billed	Total Paid to Date	Outstanding Amount
10-31-2018	000100000001521752	423.88	136.32	287.56
11-30-2018	000100000001523073	407.85	0.00	407.85
12-31-2018	000100000001524408	400.26	0.00	400.26
TOTAL OUTSTAND	ING AMOUNT (01-31-2019)			1,095.67

Account Analysis	Payment Remittance	(Please detach and return this portion of the invoice with payment)
Total Amount Due	\$ 1,095.67	Customer Name: STATE OF OHIO TREASURER OF STATE Account: 001 000000000704346915 Production Date: 01-07-2019 Payment Due On: 01-31-2019 Invoice Number: 000100000001524408
Amount Enclosed	\$	JPMORGAN CHASE BANK, N.A.

P. O. BOX 973636 DALLAS TX 75397-3636

ACH/Wire payments: ABA 044000037 Account# 619983497 (Please reference your invoice and/ or account number within the Addenda or Payment Detail field)

J.P.Morgan
STATE OF OHIO TREASURER (

STATE OF OHIO TREASURER OF STATE
JOSH MANDEL - TOS CONSOLIDATION ACCT
30 E BROAD ST 10TH FL
ATTN RECONCILIATION DEPT
COLUMBUS OH 43266-0421

DETAIL OF ACCOUNT 001 000000000704346915

PAGE 1 OF 6

ACCOUNT: 001
PRODUCTION DATE: 01-

001 000000000704346915 E: 01-07-2019

INVOICE

OFFICER CONTACT: GEORGE SESOCK (330) 972-1762

(330) 972-1762

OTHER CONTACT:
GLOBAL CLIENT CARE SERVICE CTR
(888) 434-3030

# BALANCE AND COMPENSATION ANALYSIS

EARNINGS ALLOWANCE RATE: 2.407% MULTIPLIER: \$ 489.03000

400.26	0	SERVICE CHARGE AMOUNT	000314
-400.26	0	EXCESS/(DEFICIT) EARNING ALLOW	000241
-400.26	0	BAL COMPENSABLE SRVC CHARGES	000331
	0	EARNINGS ALLOWANCE	000240
	-195,742	EXCESS/(DEFICIT) INVESTBLE BAL	000410
	-195,742	BAL EQUIVENT-TOT SERVICE CHRGS	000400
0.00	00	INVESTABLE BALANCE	000040
	. 0	AVG POSITIVE COLLECTED BALANCE	000011
	0	AVERAGE NET COLLECTED BALANCE	000010
	0	LESS AVERAGE FLOAT BALANCE	000030
	0	AVERAGE NET LEDGER BALANCE	000000
COMPENSATION	INFORMATION	DESCRIPTION	AFP CODE



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J.P.Morgan state of ohio treasurer of state

**DETAIL OF ACCOUNT 001 000000000704346915** 

PAGE 2 OF 6

ACCOUNT:
PRODUCTION DATE:

001 000000000704346915 01-07-2019

### **ACTIVITY SUMMARY**

SUBTOTAL	CLOSED LBX IMAGE VIEWING 06139	INT REC & PAY - RECONCILE / 71	SUBTOTAL		H2H TRANS DETAIL REPORTED 06094 H2H NON-CHECK ITEMS REPORTED 06095	SUBTOTAL	ACCT TRANSFER ITEM 06076	TED - 45 DAY	JPMORGAN ACCESS ACCOUNTS REPORTED 06041	SUBTOTAL	HOST TO HOST  EDI 822 ANALYSIS MODULE MAINT  01033  EDI 822 ANALYSIS ACCT MAINT  01034	SUBTOTAL	AUTOMATED CLEARING HOUSE  ACH MAINTENANCE  02695	SUBTOTAL	POST NO CHECKS MAINTENANCE 03499	NCE 01005	PRODUCT LINE AND DESCRIPTION CODE
	050005			4004ZZ 4004ZZ	400110 400110		40066Z 400699	400610 40066Z	400447		010400 010400		250000		1500ZZ	010000	SERVICE
	20.0000			0.0000 30.0000	0.0300 0.0300		1.0000	50.0000 0.1000	15 0000		0.0000 5.0000		10.0000		1.0000	8.0000	UNIT PRICE (\$)
	-4			21 2	19 19		<b>-</b> 8	46 1	ىد		∞ <b>-</b> ²		_		4		VOLUME
20.00	20.00		60.66	0.00	0.09 0.57	100.60	0.00 1.00	43.00 50.00 4.60	45.00	40.00	0.00 40.00	10.00	10.00	9.00	1.00	8.00	SERVICE CHARGE (\$)
9,781	9,781		29,665	29,342	44 279	49,197	0 489	24,452 2,250	33,007	19,561	0 19,561	4,890	4,890	4,401	489	3,912	BALANCE EQUIVALENT (\$)
	0.00			0.00	0.00		0.00 0.00	0.00			0.00 0.00		0.00		0.00	0.00	FEE BASED CHARGES (\$)

J.P.Morgan

STATE OF OHIO TREASURER OF STATE

# DETAIL OF ACCOUNT 001 000000000704346915

PAGE 3 OF 6

ACCOUNT: PRODUCTION DATE:

001 000000000704346915 01-07-2019

### **ACTIVITY SUMMARY**

	9,781	20.00					SUBTOTAL
0.00	9,781	20.00		20.0000	050005	06139	CLOSED LBX IMAGE VIEWING
							INT REC & PAY - RECONCILE / 78
	9,781	20.00					SUBTOTAL
0.00	9,781	20.00	-	20.0000	050005	06139	CLOSED LBX IMAGE VIEWING
							INT REC & PAY - RECONCILE / 78
	9,781	20.00					SUBTOTAL
0.00	9,781	20.00	_	20.0000	050005	06139	CLOSED LBX IMAGE VIEWING
							INT REC & PAY - RECONCILE / 78
	9,781	20.00					SUBTOTAL
0.00	9,781	20.00		20.0000	050005	06139	CLOSED LBX IMAGE VIEWING
							INT REC & PAY - RECONCILE / 78
	9,781	20.00					SUBTOTAL
0.00	9,781	20.00	-	20.0000	050005	06139	CLOSED LBX IMAGE VIEWING
							INT REC & PAY - RECONCILE / 78
	9,781	20.00					SUBTOTAL
0.00	9,781	20.00	_	20.0000	050005	06139	CLOSED LBX IMAGE VIEWING
							INT REC & PAY - RECONCILE / 78
	9,781	20.00					SUBTOTAL
0.00	9,781	20.00	<b>⊶</b>	20.0000	050005	06139	CLOSED LBX IMAGE VIEWING
							INT REC & PAY - RECONCILE / 78
FEE BASED CHARGES (\$)	BALANCE EQUIVALENT (\$)	SERVICE CHARGE (\$)	VOLUME	UNIT PRICE (\$)	AFP SERVICE CODE	BANK SERVICE CODE	PRODUCT LINE AND DESCRIPTION

**PAGE 7 OF 12** 



J.P.Morgan

STATE OF OHIO TREASURER OF STATE

DETAIL OF ACCOUNT 001 000000000704346915

PAGE 4 OF 6

ACCOUNT:
PRODUCTION DATE:

001 000000000704346915 01-07-2019

### **ACTIVITY SUMMARY**

PRODUCT LINE AND DESCRIPTION	BANK SERVICE CODE	AFP SERVICE CODE	UNIT PRICE (\$)	VOLUME	SERVICE CHARGE (\$)	BALANCE EQUIVALENT (\$)	FEE BASED CHARGES (\$)
INT REC & PAY - RECONCILE / 78 1859							
CLOSED LBX IMAGE VIEWING	06139	050005	20.0000	1	20.00	9,781	0.00
SUBTOTAL					20.00	9,781	
TOTAL CHARGE FOR SERVICES		000300			400.26	0	
TOTAL FEE BASED CHARGES		000330			0.00	0	
BAL COMPENSABLE SRVC CHARGES		000331			-400.26	0	
BAL EQUIVENT-TOT SERVICE CHRGS		000400			0.00	195,742	

J.P.Morgan

STATE OF OHIO TREASURER OF STATE

DETAIL OF ACCOUNT 001 000000000704346915

PAGE 5 OF 6

ACCOUNT:
PRODUCTION DATE:

001 000000000704346915 01-07-2019

# RELATIONSHIP BALANCE COMPENSATION HISTORY

88	5,188	0		-2,745,715					JAN - DEC NET
				h	228,814	C/I	<b>ن</b> ان	رن د	JAN - DEC AVERAGE
8	4	0		-195,742	195,742	0	0	0	DEC
80	41	0		-212,410	212,410	0	0	0	NOV
24	4:	0		-195,069	195,069	0	0	0	OCT
29	4.	0		-217,621	217,621	0	0	0	SEP
46	4	0		-226,286	226,286	0	0	0	AUG
47	4	0		-224,218	224,218	0	0	0	JUL
41	4	0		-229,785	229,785	0	0	0	JUN
51	4.	0		-228,981	228,981	0	0	0	MAY
39	4.	0		-225,915	225,915	0	0	0	APR
432	<b>A</b>	0		-219,979	219,979	0	0	0	MAR
26	4:	0		-275,042	275,042	0	0	0	FEB
45	4.	0		-294,667	294,724	57	57	57	JAN
EXCESS/ (DEFICIT) EARNINGS ALLOWANCE (\$)	BALANCE COMPENSABLE SERVICE CHARGES (\$)	EARNINGS ALLOWANCE (\$)	EARNINGS ALLOWANCE RATE (%)	EXCESS/ (DEFICIT) INVESTABLE BALANCE (\$)	BALANCE EQUIVALENT TOTAL SERVICE CHARGES (\$)	INVESTABLE BALANCE (\$)	AVERAGE NET COLLECTED BALANCE (\$)	AVERAGE NET LEDGER BALANCE (\$)	HTNOM



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Board of Deposit
Chase Consolidation Account 6915 - December 2018

k Code Service Code	Description	Unit Price	Total Units	90.	Fotal Amount	Lis	t Price	Var	iance	Comments
1005 01 00 00	ACCOUNT MAINTENANCE	8	1	. 5	8.00	\$	8.00	\$		
6041 40 04 4Z	ACCOUNTS REPORTED	15	3	3 5	\$ 45.00	\$	45.00	\$	16	
6076 40 06 99	ACCT TRANSFER ITEM	1	. 1	. 5	1.00	\$	1.00	\$	J.E.	
2695 25 00 00	ACH MAINTENANCE	10	1		10.00	\$	10.00	\$		
6139 05 00 05	CLOSED LBX IMAGE VIEWING 715681	20	1	. \$	20.00	\$	20.00	\$		
6139 05 00 05	CLOSED LBX IMAGE VIEWING 781166	20	1	. 5	20.00	\$	20.00	\$		
6139 05 00 05	CLOSED LBX IMAGE VIEWING 781216	20	1	. ;	20.00	\$	20.00	\$	(a)	
6139 05 00 05	CLOSED LBX IMAGE VIEWING 7812162	20	1	. \$	20.00	\$	20.00	\$	(.e.)	
6139 05 00 05	CLOSED LBX IMAGE VIEWING 7812163	20	1		20.00	\$	20.00	\$		
6139 05 00 05	CLOSED LBX IMAGE VIEWING 7812164	20	1	. \$	20.00	\$	20.00	\$	0.000	
6139 05 00 05	CLOSED LBX IMAGE VIEWING 7812165	20	1	. \$	20.00	\$	20.00	\$		
6139 05 00 05	CLOSED LBX IMAGE VIEWING 781859	20	1	. \$	20.00	\$	20.00	\$	(%)	
6139 05 00 05	CLOSED LBX IMAGEVIEWING 7812161	20	1	\$	20.00	\$	20.00	\$	0 <b>.</b> 5	
1034 01 04 00	EDI 822 ANALYSIS ACCT MAINT	5	8	\$	40.00	\$	40.00	\$		
1033 01 04 00	EDI 822 ANALYSIS MODULE MAINT	0	1	. \$	121	\$	(5)	\$	300	
6053 40 06 6Z	EXTENDED TRANSACTION DETAIL	0	8	\$		\$		\$		
6085 40 04 ZZ	H2H ACCOUNTS REPORTED	30	2	Ş	60.00	\$	60.00	\$		
3653 40 04 ZZ	H2H FILES TRANSMITTED OVER 67	0	21	\$		\$	(9)	\$	- 191	
6095 40 01 10	H2H NON-CHECK ITEMS REPORTED	0.03	19	\$	0.57	\$	0.57	\$	(20)	
6094 40 01 10	H2H TRANS DETAIL REPORTED	0.03	3	\$	0.09	\$	0.09	\$	:*:	
6040 40 06 10	MONTHLY SERVICE	50	1	Ş	50.00	\$	50.00	\$		
3499 15 00 ZZ	POST NO CHECKS MAINTENANCE	1	1	\$	1.00	\$	1.00	\$	351	
1010 01 03 07	STATEMENT CYCLES	0	1	\$		\$		\$		
6043 40 06 6Z	TRANSACTIONS REPORTED - 45 DAY	0.1	46	\$	4.60	\$	4.60	\$		
	Total			\$	400.26	\$	400.26	\$		

Total	Ś	400.26
Earnings Credit Allowance	\$	
Service Fee Total	\$	400.26



### STATE BOARD OF DEPOSIT STATE OF OHIO

### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent Huntington banking fees [ODNR-Division of Reclamation] for December 2018, are \$118.02.

Adust Cole Imaque
CHAIRMAN

Lacey Cumber Cander
SECRETARY

Jebruary 8, 2019

DATE



TREAS-ST OH DEPT NATURAL RESOURCES RECLAMATION 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

### **Account Analysis Statement**

Group: 801892412957

Analysis Period From

To

12/01/2018 12/31/2018

Statement Date

01/09/2019

### **Account Summary Section**

Group Account: 801892412957

Group Account: 801892412957

Balance Analysis		Service Charge Ana	ılysis
AVERAGE BALANCE LESS AVERAGE FLOAT	24,657.69	EARNINGS CREDIT ALLOWANCE TOTAL CHARGE FOR SERVICES	21.98 -140.00
AVERAGE COLLECTED BALANCE AVG POSITIVE COLLECTED BALANCE	24,657.69 24,657.69	NET CHARGE FOR SERVICES	-118.02
LESS RESERVE REQUIRED	.00	***SERVICE CHARGE AMOUNT	118.02
AVERAGE AVAILABLE BALANCE	24,657.69		A)
LESS BALANCE REQUIRED	-156,940.00		UK
NET AVAILABLE BALANCE	-132,282.31		1/25
TOTAL DEFICIT BALANCE	-132,282.31		. 1

### Service Charge Detail

AFP Code	Service Description	Volume	Unit Price	Charge for Service
INT SERVICES	6			
010000	MONTHLY SERVICE FEE	1	13.0000	13.00
010307	PAPERLESS STATEMENT	1	.0000	.00
rsis				
300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
RITY SHITE				
	ACH POS PAY-ALERTS	686	.0000	.00
251050		1		20.00
E-BOL				
4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	00
400272	BOL PREVIOUS DAY ITEMS-BASIC	20	.0000	.00
PORTING				
	INFO RPT-TRANS . MONTHLY MAINT	1	15 0000	15.00
		220		77.00
	THE THE STATE OF THE BAT SOME	~20	.5000	77.00
OR SERVICES	<b>:</b>			140.00
	INT SERVICES 010000 010307 (SIS 300100 RITY SUITE 251063 251060 IE-BOL 4000ZZ 400272 EPORTING 40001Z 400230	INT SERVICES  010000 MONTHLY SERVICE FEE  010307 PAPERLESS STATEMENT  (SIS  300100 ANALYSIS STATEMENT VIA EDI  RITY SUITE  251053 ACH POS PAY-ALERTS  251050 ACH POS PAY ONLY ACCT  IE-BOL  4000ZZ BOL ACCOUNT MAINT-BASIC  400272 BOL PREVIOUS DAY ITEMS-BASIC  EPORTING  40001Z INFO RPT-TRANS - MONTHLY MAINT	INT SERVICES  010000	INT SERVICES 010000

Please review your statement within 30 days and notify the bank of any questions. We will research your inquiry and notify you of any findings. After 30 days, the items on the statement will be deemed to be correct.

### THE HUNTINGTON NATIONAL BANK PO BOX 1568 EA2W20 COLUMBUS OH 43216-1558



TREAS-ST OH DEPT NATURAL RESOURCES RECLAMATION 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

Account Analysis State	ement	<b>Group:</b> 801892412957		Account: 01892412957
Analysis Period From To	12/01/2018 12/31/2018			
Statement Date	01/09/2019			
Invoice Due Date*	01/30/2019			
* Please remit the Total Amo		efore this date		
Invoice Details		<b>Group:</b> 801892412957		
Description				
Previous Balance				358.76
Payments Received 12/03/2018 Invoice # 12/03/2018 Invoice # 12/17/2018 Invoice #	8900000000060266		114.31 125.72 114.88	
Grand Total Payments Received	d		_	354.91-
Account Summary of Charges Previous Invoice Baland Total Past Due			-	3.85 3.85
Current Service Charges				118.02
otal Amount Due				121.87
	please fold and tear h	Statement Period 12/01/2018		•
REAS-ST OH DEPT NATURA	L RESOURCES		Group #	:801892412957
0 E. BROAD STREET 10TH 1	FLOOR		Invoice	Date: 12/31/2018
			Invoice	#: 00890000000061099
THE HUNTINGTON	NATIONAL BANK		Payment	Due on 01/30/2019
DEPT. L-2043 COLUMBUS OHIO	43260		Amount	Due 121.87
222200 00				Enclosed:
			\$	nama anamangap anamanan ang anaman si s J
			¥ Email	Danier and a commence of the commence of



TREAS-ST OH DEPT NATURAL RESOURCES DIVISION OF RECLAMATION 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

**Account Analysis Statement** 

Account: 01892412957

Analysis Period From

То

12/01/2018 12/31/2018

Statement Date

01/09/2019

### **Account Summary Section**

Public Fund Analyzed Checking Account: 01892412957

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE LESS AVERAGE FLOAT	24,657.69 .00	EARNINGS CREDIT ALLOWANCE 1.050 % TOTAL CHARGE FOR SERVICES	21.98 -140.00
AVERAGE COLLECTED BALANCE AVG POSITIVE COLLECTED BALANCE	24,657.69 24,657.69	NET CHARGE FOR SERVICES	-118.02
LESS RESERVE REQUIRED @	.00	***SERVICE CHARGE AMOUNT	118.02
AVERAGE AVAILABLE BALANCE LESS BALANCE REQUIRED	24,657.69 -156,940.00		
NET AVAILABLE BALANCE TOTAL DEFICIT BALANCE	-132,282.31 -132,282.31		
	1		

Group: 801892412957

### Service Charge Detail

Public Fund Analyzed Checking Account: 01892412957

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOL	JNT SERVICES	6			
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALY	YSIS				
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECUI	RITY SUITE				
0183	251053	ACH POS PAY-ALERTS	585	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLIN	NE-BOL				
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	20	.0000	.00
INFORMATION R	EPORTING				
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	220	.3500	77.00
TOTAL CHARGE F	FOR SERVICES				140.00

### Board of Deposit Huntington ODNR Division of Reclamation 2957 - December 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List	Price	Varian	ce	Comments
1490	25 10 50	ACH POS PAY ONLY ACCT	20	1	\$ 20.00	\$	20.00	\$	-	
183	25 10 53	ACH POS PAY-ALERTS	0	585	\$ -	\$	16.1	\$	-	
3004	30 01 00	ANALYSISSTATEMENT VIA EDI	15	1	\$ 15.00	\$	15.00	\$	=	
3722	40 00 ZZ	BOL ACCOUNT MAINT-BASIC	0	1	\$ -	\$	39.1	\$	-	
3742	40 02 72	BOL PREVIOUS DAY ITEMS-BASIC	0	20	\$	\$		\$	+	
4005	40 00 1Z	INFO RPT-TRANS - MONTHLY MAINT	15	1	\$ 15.00	\$	15.00	\$	-	
4006	40 02 30	INFO RPT-TRANS - PREV DAY SUMM	0.35	220	\$ 77.00	\$	77.00	\$	-	
21	01 00 00	MONTHLY SERVICE FEEUF	13	1	\$ 13.00	\$	13.00	\$	œ.	
104	01 03 07	PAPERLESS STATEMENT	0	1	\$ -	\$		\$		
		Total			\$ 140.00	\$	140.00	\$		

Service Fee Total	\$ 140.00
Earnings Credit Allowance	\$ 21.98
Total	\$ 118.02



### STATE BOARD OF DEPOSIT STATE OF OHIO

### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent Huntington banking fees [ODNR Lake Katherine] for December 2018, are \$135.55.

Mobile Coll Sprague	
SECRETARY SECRETARY	
Flbruary 8, 2019 DATE	



TREAS-ST OH DEPT NATURAL RESOURCES ODNR LAKE KATHERINE 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

### **Account Analysis Statement**

Group: 801892413134

Analysis Period From

То

12/01/2018 12/31/2018

Statement Date

01/09/2019

### **Account Summary Section**

Group Account: 801892413134

Group Account: 801892413134

Balance Analysis		Service Charge Ana	ılysis
AVERAGE BALANCE LESS AVERAGE FLOAT	5,000.00 .00	EARNINGS CREDIT ALLOWANCE TOTAL CHARGE FOR SERVICES	4.45 -140.00
AVERAGE COLLECTED BALANCE AVG POSITIVE COLLECTED BALANCE	5,000.00 5,000.00	NET CHARGE FOR SERVICES	-135.55
LESS RESERVE REQUIRED	.00	***SERVICE CHARGE AMOUNT	135.55
AVERAGE AVAILABLE BALANCE LESS BALANCE REQUIRED	5,000.00 -156,940.00		Re
NET AVAILABLE BALANCE TOTAL DEFICIT BALANCE	-151,940.00 -151,940.00		1/25/10

### Service Charge Detail

TOTAL CHARGE FOR SERVICES

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOU	NT SERVICES				
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALY	rsis				
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECUR	RITY SUITE				
0183	251053	ACH POS PAY-ALERTS	585	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLIN	E-BOL				
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	+00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	20	.0000	.00
INFORMATION RE	PORTING				
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	220	.3500	77.00

140.00

Please review your statement within 30 days and notify the bank of any questions. We will research your inquiry and notify you of any findings. After 30 days, the items on the statement will be deemed to be correct.

THE HUNTINGTON NATIONAL BANK PO BOX 1568 EA2W20 COLUMBUS OH 43216-1558



TREAS-ST OH DEPT NATURAL RESOURCES ODNR LAKE KATHERINE 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

Account Analysis Sta	tement	<b>Group:</b> 801892413134	<b>Account:</b> 0189241313
Analysis Period From To	12/01/2018 12/31/2018		
Statement Date	01/09/2019		
Invoice Due Date*	01/30/2019		
* Please remit the Total Am	ount Due of 41,4.06 be	efore this date	
Invoice Details		Group: 801892413134	
Description			
Previous Balance			410.35
	# 8900000000049831 # 8900000000060258		131.41 .43
Brand Total Payments Receiv	/ed		131.84-
account Summary of Charge Previous Invoice Bala Total Past Due			278.51 278.51
Current Service Charges			135.55
otal Amount Due			414.06
	(please fold and tear h	Statement Period 12/01/2018	
REAS-ST OH DEPT NATUR	AL RESOURCES		Group #:801892413134
0 E. BROAD STREET 10TH OLUMBUS OH 43216-341			Invoice Date: 12/31/2018
	•		invoice #: 0089000000005110
THE HUNTINGTON	NATIONAL BANK		Payment Due on 01/30/2019
DEPT. L-2043 COLUMBUS OHIO	43260		Amount Due 414.06
			Amount Enclosed:
			\$
hecks and money orders should	be made payable to Hunting	ton National Bank	Service de concert de maior de contrata de consecuencia de la consecuencia de la contrata del contrata de la contrata del contrata de la contrata del contrata de la contrata del contrata de la contrata del contrata del contrata de la contrata de la contrata de la contrata del contrata del contrata de la contrata del contr



TREAS-ST OH DEPT NATURAL RESOURCES ODNR LAKE KATHERINE MGMT FUND 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

**Account Analysis Statement** 

Group: 801892413134

Account: 01892413134

Analysis Period From

Tο

12/01/2018 12/31/2018

Statement Date

01/09/2019

### **Account Summary Section**

Public Fund Analyzed Checking Account: 01892413134

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE LESS AVERAGE FLOAT	5,000.00 .00	EARNINGS CREDIT ALLOWANCE 1.050 % TOTAL CHARGE FOR SERVICES	4.45 -140.00
AVERAGE COLLECTED BALANCE AVG POSITIVE COLLECTED BALANCE LESS RESERVE REQUIRED @	5,000.00 5,000.00 .00	NET CHARGE FOR SERVICES  ***SERVICE CHARGE AMOUNT	-135.55 135.55
AVERAGE AVAILABLE BALANCE LESS BALANCE REQUIRED	5,000.00 -156,940.00		
NET AVAILABLE BALANCE TOTAL DEFICIT BALANCE	-151,940.00 -151,940.00		

### Service Charge Detail

Public Fund Analyzed Checking Account: 01892413134

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOU	JNT SERVICES				
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANAL	YSIS				
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECU					
0183	251053	ACH POS PAY-ALERTS	585	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLIN	IE-BOL				
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	4	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	20	.0000	.00
					.00
INFORMATION R	EPORTING				
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	220	.3500	77.00
TOTAL CHARGE F	OR SERVICES				140.00

**Board of Deposit** 

Huntington ODNR Lake Katherine Management Fund 3134 - December 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amo	unt	List F	Price	Varia	ance	Comments
1490	25 10 50	ACH POS PAY ONLY ACCT	20	1	\$	20.00	\$	20.00	\$		
183	25 10 53	ACH POS PAY-ALERTS	0	585	\$		\$	385	\$		
3004	30 01 00	ANALYSIS STATEMENT VIA EDI	15	1	\$	15.00	\$	15.00	\$		
3722	40 00 ZZ	BOL ACCOUNT MAINT-BASIC	0	1	\$	-	\$	300	\$	=*	
3742	40 02 72	BOL PREVIOUS DAY ITEMS-BASIC	0	20	\$		\$		\$		
4005	40 00 1Z	INFO RPT-TRANS - MONTHLY MAINT	15	1	\$	15.00	\$	15.00	\$	2	x
4006	40 02 30	INFO RPT-TRANS - PREV DAY SUMM	0.35	220	\$	77.00	\$	77.00	\$		
21	01 00 00	MONTHLY SERVICE FEEUF	13	1	\$	13.00	\$	13.00	\$		
104	01 03 07	PAPERLESS STATEMENT	0	1	\$	_/(	\$	- 3	\$		
		Total			\$	140.00	\$	140.00	\$		

Service Fee Total	\$ 140.00
Earnings Credit Allowance	\$ 4.45
Total	\$ 135.55



### STATE BOARD OF DEPOSIT STATE OF OHIO

### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent Huntington banking fees [ODNR-Wildlife Habitat Fund] for December 2018, are \$140.00.

Thous Cole Smagne
SECRETARY SECRETARY
SECRETARY
Flbruary 8, 2019
DATE



TREAS-ST OH DEPT NATURAL RESOURCES WILDLIFE HABITIAT 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

### **Account Analysis Statement**

**Group:** 801892413105

Analysis Period From

12/01/2018 То

12/31/2018

Statement Date

01/09/2019

### **Account Summary Section**

Group Account: 801892413105

Balance Analysis		Service Charge Ana	llysis
AVERAGE BALANCE LESS AVERAGE FLOAT	.00	EARNINGS CREDIT ALLOWANCE TOTAL CHARGE FOR SERVICES	.00 -140.00
AVERAGE COLLECTED BALANCE AVG POSITIVE COLLECTED BALANCE LESS RESERVE REQUIRED	.00 .00 .00	NET CHARGE FOR SERVICES  ***SERVICE CHARGE AMOUNT	-140.00 140.00
AVERAGE AVAILABLE BALANCE LESS BALANCE REQUIRED	.00		A.
NET AVAILABLE BALANCE TOTAL DEFICIT BALANCE	-156,940.00 -156,940.00		1/25/19

### Service Charge Detail

Group Account: 801892413105

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOU 0021 0104	UNT SERVICES 010000 010307	MONTHLY SERVICE FEE PAPERLESS STATEMENT	1 1	13.0000 .0000	13.00 .00
ACCOUNT ANAL	YSIS 300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECU 0183 1490	RITY SUITE 251053 251050	ACH POS PAY-ALERTS ACH POS PAY ONLY ACCT	58 <b>5</b> 1	.0000 20.0000	.00 20.00
BUSINESS ONLIN 3722 3742	NE-BOL 4000ZZ 400272	BOL ACCOUNT MAINT-BASIC BOL PREVIOUS DAY ITEMS-BASIC	1 20	.0000	.00 .00
INFORMATION R 4005 4006	EPORTING 40001Z 400230	INFO RPT-TRANS - MONTHLY MAINT INFO RPT-TRANS - PREV DAY SUMM	1 220	15.0000 .3500	15.00 77.00
TOTAL CHARGE I		INTO INTERNATO - TILLY DAT COMM	220	.000	140.00

Please review your statement within 30 days and notify the bank of any questions. We will research your inquiry and notify you of any findings. After 30 days, the items on the statement will be deemed to be correct.

THE HUNTINGTON NATIONAL BANK PO BOX 1568 EA2W20 COLUMBUS OH 43216-1568



TREAS-ST OH DEPT NATURAL RESOURCES WILDLIFE HABITIAT 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

Account Analysis Stat	tement	<b>Group:</b> 801892413105	Account: 01892413105
Analysis Period From To	12/01/2018 12/31/2018		
Statement Date	01/09/2019		
nvoice Due Date*	01/30/2019		
Please remit the Total Am		efore this date	
Flease felling the Total Am	ount bue of 441,17 b	erore this date	
Invoice Details		<b>Group:</b> 801892413105	
Description			
Previous Balance			437.32
Payments Received 12/17/2018 Invoice #	8900000000049830		136.16
Grand Total Payments Receive	ed		136.15-
Account Summary of Charge Previous Invoice Balar Total Past Due			301.17 301.17
Current Service Charges			140.00
Total Amount Due			441.17
	(please fold and tear l	Statement Period 12/01/2018	-
REAS-ST OH DEPT NATUR		iere to remit mis pomon with y	Group #:801892413105
VILDLIFE HABITIAT 0 E. BROAD STREET 10TH			Invoice Date: 12/31/2018
OLUMBUS OH 43216-341			Invoice #: 00890000000051100
			MV3.06 #. 00000000000001100
THE HUNTINGTON	NATIONAL BANK		Payment Due on 01/30/2019
DEPT. L-2043 COLUMBUS OHIO	43260		Amount Due 441.17
			Amount Enclosed:
			\$
hecks and money orders should	be made payable to Hunting	gton National Bank	Accessorate stano retenes es ano incontene sano



TREAS-ST OH DEPT NATURAL RESOURCES ODNR WILDLIFE HABITIAT FUND 30 E. BROAD STREET 10TH FLOOR COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

**Account Analysis Statement** 

Group: 801892413105

Account: 01892413105

Analysis Period From

То

12/01/2018 12/31/2018

Statement Date

01/09/2019

### **Account Summary Section**

### Public Fund Analyzed Checking Account: 01892413105

Balance Analysis		Service Charge Analysis	;
AVERAGE BALANCE LESS AVERAGE FLOAT	.00.	EARNINGS CREDIT ALLOWANCE 1.050 % TOTAL CHARGE FOR SERVICES	.00 140.00-
AVERAGE COLLECTED BALANCE AVG POSITIVE COLLECTED BALANCE	.00	NET CHARGE FOR SERVICES	-140.00
LESS RESERVE REQUIRED @	.00	***SERVICE CHARGE AMOUNT	140.00
AVERAGE AVAILABLE BALANCE	.00		
LESS BALANCE REQUIRED	-156,940.00		
NET AVAILABLE BALANCE	-156,940.00		
TOTAL DEFICIT BALANCE	-156,940.00		

### Service Charge Detail

### Public Fund Analyzed Checking Account: 01892413105

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOL	INT SERVICES				
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALY	veie				
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECUI	RITY SUITE				
0183	251053	ACH POS PAY-ALERTS	585	.0000	.00
1490	261060	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLIN	IE-BOL				
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	20	.0000	.00
INFORMATION RI	EPORTING .				
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15,0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	220	.3500	77.00
TOTAL CHARGE F	OR SERVICES				140.00

### Board of Deposit Huntington ODNR Wildlife Habitat Fund 3105 - December 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List	Price	Variance	Comments
1490	25 10 50	ACH POS PAY ONLY ACCT	20	1	\$ 20.00	\$	20.00	\$	
183	25 10 53	ACH POS PAY-ALERTS	0	585	\$ -	\$	9	\$	•
3004	30 01 00	ANALYSIS STATEMENT VIA EDI	15	1	\$ 15.00	\$	15.00	\$	-
3722	40 00 ZZ	BOL ACCOUNT MAINT-BASIC	0	1	\$ -	\$		\$	
3742	40 02 72	BOL PREVIOUS DAY ITEMS-BASIC	0	20	\$ -	\$		\$	
4005	40 00 1Z	INFO RPT-TRANS - MONTHLY MAINT	15	1	\$ 15.00	\$	15.00	\$	
4006	40 02 30	INFO RPT-TRANS - PREV DAY SUMM	0.35	220	\$ 77.00	\$	77.00	\$	•
21	01 00 00	MONTHLY SERVICE FEEUF	13	1	\$ 13.00	\$	13.00	\$	
104	01 03 07	PAPERLESS STATEMENT	0	1	\$ .	\$		\$	
		Total	///		\$ 140.00	\$	140.00	\$	•

Service Fee Total	\$ 140.00
Earnings Credit Allowance	\$ 
Total	\$ 140.00



### STATE BOARD OF DEPOSIT STATE OF OHIO

### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent Huntington banking fees [Torrens Law Assurance Fund] for December 2018, are \$261.55.

Malust Coll Smagne
Staley Gunberlander
,
Flbruary 8, 2019



TREAS-ST OH TORRENS LAW ASSSUR FUND TLAF 30 E BROAD ST FL 10 COLUMBUS OH 43215-3414 Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

### **Account Analysis Statement**

**Group:** 801891935590

Analysis Period From

То

12/01/2018 12/31/2018

Statement Date

01/09/2019

### **Account Summary Section**

Group Account: 801891935590

Group Account: 801891935590

Balance Analysis		Service Charge Analysis				
AVERAGE BALANCE LESS AVERAGE FLOAT	26,298.98 .00	EARNINGS CREDIT ALLOWANCE TOTAL CHARGE FOR SERVICES	23.45 -285.00			
AVERAGE COLLECTED BALANCE AVG POSITIVE COLLECTED BALANCE	26,298.98 26,298.98	NET CHARGE FOR SERVICES	-261.55			
LESS RESERVE REQUIRED	.00	***SERVICE CHARGE AMOUNT	261.55			
AVERAGE AVAILABLE BALANCE	26,298.98		A			
LESS BALANCE REQUIRED	-319,485.00		100			
NET AVAILABLE BALANCE	-293,186.02		1/25			
TOTAL DEFICIT BALANCE	-293.186.02					

### Service Charge Detail

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACC	OUNT SERVICES	8			
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANA	ALYSIS				
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SEC	CURITY SUITE				
0183	251053	ACH POS PAY-ALERTS	585	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
PAYMENT CEN	ITER				
2201	320000	PYMNT CNTR-PREMIER ACH & WIRES	1	70.0000	70.00
2202	320001	PYMNT CNTR-PREMIER ACCOUNTS **NO CHARGE	10	5.0000	50.00
2202	320001	PYMNT CNTR-PREMIER ACCOUNTS	15	5.0000	76.00
BUSINESS ON	LINE-BOL				
3702	4000ZZ	BOL COMPANY MAINT-BASIC	1	.0000	.00
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	20	.0000	.00

Service Char	rge Detail
--------------	------------

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
INFORMATION 4005 4006	REPORTING 40001Z 400230	INFO RPT-TRANS - MONTHLY MA INFO RPT-TRANS - PREV DAY SU		15.0000 .3600	15.00 77.00
TOTAL CHARGE	FOR SERVICES	3			285.00 50.00

Please review your statement within 30 days and notify the bank of any questions. We will research your inquiry and notify you of any findings. After 30 days, the items on the statement will be deemed to be correct.

**Group Account:** 801891935590

### THE HUNTINGTON NATIONAL BANK PO BOX 1568 EA2W20 COLUMBUS OH 43216-1568



TREAS-ST OH TORRENS LAW ASSSUR FUND TLAF 30 E BROAD ST FL 10 COLUMBUS OH 43215-3414 Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

Account Ana	lysis Statem	ent	Group:	801891935590		Account:	0189193559
Analysis Period	From To	12/01/2018 12/31/2018					
Statement Date		01/09/2019					
Invoice Due Date	e*	01/30/2019					
* Please remit t	he Total Amount	Due of 795.88 be	fore this (	date			
Invoice Deta	ils		Group:	801891935590			
Description							
Previous Balance	•					792.79	
	18 Invoice # 89	00000000049757 00000000060182			256.23 2.23		
Grand Total Payr	nents Received				•	258.46	-
Account Summai Previous Total Pas	Invoice Balance				-	534.33 534.33	
Current Service	Charges					261.55	
Total Amount D	ue					795.88	
			Stateme	ent Period 12/01/2018 to	12/31/20	18 Page	3 of 5
	(ple	ease fold and tear h	ere to rer	mit this portion with you	payment)		
TREAS-ST OH T	ORRENS LAW A	ASSSUR FUND			Group #	:801891935	590

THE HUNTINGTON NATIONAL BANK DEPT. L-2043 COLUMBUS OHIO 43260

**TLAF** 

30 E BROAD ST FL 10

COLUMBUS OH 43215-3414

Invoice #: 00890000000051026

Payment Due on 01/30/2019

Invoice Date: 12/31/2018

Amount Due 795.88

Amount Enclosed:

	_gannanaanaanaanaanaanaanaana	10000	odernoenoen	۰
\$	: 발			
2				
•	Proposition and a service and		NAMES OF A SEC	J.

Checks and money orders should be made payable to Huntington National Bank



TREAS-ST OH TORRENS LAW ASSSUR FUND TORRENS LAW ASSURANCE FUND T 30 E BROAD ST FL 10 COLUMBUS OH 43215-3414

Invoice

Reprint

Direct inquiries to your Relationship Manager or to Huntington Business Direct at 1-800-480-2001

**Account Analysis Statement** 

Τо

Group: 801891935590

Account: 01891935590

Analysis Period From

12/01/2018 12/31/2018

Statement Date

01/09/2019

### **Account Summary Section**

Public Fund Analyzed Checking Account: 01891935590

Balance Analysis		Service Charge Analysis	<b>.</b>
AVERAGE BALANCE LESS AVERAGE FLOAT	26,298.98 .00	EARNINGS CREDIT ALLOWANCE 1.050 % TOTAL CHARGE FOR SERVICES	23.45 -285.00
AVERAGE COLLECTED BALANCE AVG POSITIVE COLLECTED BALANCE	26,298.98 26,298.98	NET CHARGE FOR SERVICES	-261,55
LESS RESERVE REQUIRED @	.00	***SERVICE CHARGE AMOUNT	261.55
AVERAGE AVAILABLE BALANCE	26,298.98		
LESS BALANCE REQUIRED	-319,485.00		
NET AVAILABLE BALANCE	-293,186.02		
TOTAL DEFICIT BALANCE	-293,186.02		

### Service Charge Detail

Public Fund Analyzed Checking Account: 01891935590

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOL 0021 0104	INT SERVICES 010000 010307	MONTHLY SERVICE FEE PAPERLESS STATEMENT	1	13.0000 .0000	13.00 .00
ACCOUNT ANALY	/SIS 300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECUR 0183 1490	RITY SUITE 251053 251050	ACH POS PAY-ALERTS ACH POS PAY ONLY ACCT	585 1	.0000 20.0000	.00 20.00
PAYMENT CENTE		DVMMT ONTO DEFMISE AGU O MUDEO	4	70.0000	70.00
2201 2202	320000 320001	PYMNT CNTR-PREMIER ACH & WIRES PYMNT CNTR-PREMIER ACCOUNTS **NO CHARGE	10	70.0000 5.0000	70.00 50.00
2202	320001	PYMNT CNTR-PREMIER ACCOUNTS	15	5.0000	75.00
BUSINESS ONLIN 3702 3722 3742	E-BOL 4000ZZ 4000ZZ 400272	BOL COMPANY MAINT-BASIC BOL ACCOUNT MAINT-BASIC BOL PREVIOUS DAY ITEMS-BASIC	1 1 20	.0000 .0000 .0000	.00 .00 .00

Public Fund	Analyzed	Checking	Account:	01891935590
-------------	----------	----------	----------	-------------

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
INFORMATION 4005 4006	REPORTING 40001Z 400230	INFO RPT-TRANS - MONTHLY MAINFO RPT-TRANS - PREV DAY S		15.0000 .3500	15.00 77.00
TOTAL CHARGE		3			285.00 50.00

Service Charge Detail

Board of Deposit Huntington Torrens Law Assurance Fund 5590 - December 2018

ank Code Service Code	Description	Unit Price	Total Units	Total A	mount	List	Price	Varland	ce	Comments
1490 25 10 50	ACH POS PAY ONLY ACCT	20	1	\$	20.00	\$	20.00	\$		
183 25 10 53	ACH POS PAY-ALERTS	(	585	\$	( 6	\$	•	\$	×	
3004 30 01 00	ANALYSIS STATEMENT VIA EDI	15	1	\$	15.00	\$	15.00	\$	•	
3722 40 00 ZZ	BOL ACCOUNT MAINT-BASIC	(	1	\$		\$		\$	*	
3702 40 00 ZZ	BOL COMPANY MAINT-BASIC		1	\$	(4)	\$	140	\$	â	
3742 40 02 72	BOL PREVIOUS DAY ITEMS-BASIC	C	20	\$		\$		\$	2	
4005 40 00 1Z	INFO RPT-TRANS - MONTHLY MAINT	15	1	\$	15.00	\$	15.00	\$	•	
4006 40 02 30	INFO RPT-TRANS - PREV DAY SUMM	0.35	220	\$	77.00	\$	77.00	\$		
21 01 00 00	MONTHLY SERVICE FEEUF	13	1	\$	13.00	\$	13.00	\$	ž.,	W
104 01 03 07	PAPERLESS STATEMENT	C	1	\$	76	\$		\$	*	
2202 32 00 01	PYMNT CNTR-PREMIER ACCOUNTS	5	15	\$	75.00	\$	75.00	\$		
2202 32 00 01	PYMNT CNTR-PREMIER ACCOUNTS - NO CH	5	10	\$	50.00	\$		\$		No charge
2201 32 00 00	PYMNTCNTR-PREMIER ACH & WIRES	70	1	\$	70.00	\$	70.00	\$		
	Total			\$	335.00	\$	285.00	\$		17/15/2015

Service Fee Total	\$ 285.00
Earnings Credit Allowance	\$ 23.45
Total	\$ 261.55



### STATE BOARD OF DEPOSIT STATE OF OHIO

Members: Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General

Keith Faber Auditor of State

### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent KeyBank banking fees [AOS Agency Collateral] for the month of December 2018, are \$13.00.

Thout Col Smagne
Stacey Eumber ander
SECRETARY
February 8, 2019
DATE

TREASURER OF STATE AOS AGENCY COLLATERAL 88 EAST BROAD STREET LARA DELEONE OH-18-07-0205 COLUMBUS OH 43215-3506

DATE: JANUARY 11, 2019 OFFICER: OFFICER LXM3B ANALYSIS PERIOD: DECEMBER 2018 KEY ACCOUNT: 359681427431

### ACCOUNT ANALYSIS INVOICE

INVOICE NUMBER	INVOICE DATE	PAYMENT	PAYMENT DATE	ADJUSTMENTS	OUTSTANDING INVOICE BALANCE
18090001509	10-11-18	13.00	12-19-18		<sub>12</sub> 00
18100001230	11-11-18				13.00
18110001220	12-11-18				13, 00
18120002790	01-11-19				13, 00
TOTAL OUTSTANDING INVOICE BALANCES: LESS TOTAL PAYMENTS RECEIVED: TOTAL AMOUNT DUE:					52.00 13.00 39.00

- \*\* PLEASE MAKE TIMELY PAYMENTS ON YOUR ANALYSIS INVOICE. INVOICES WHICH ARE 90
- DAYS PAST DUE WILL BE DIRECT DEBITED FROM YOUR DDA ACCOUNT AND WILL INCUR A \$30 \*\*
- PAST DUE SURCHARGE. PLEASE CONTACT OUR COMMERCIAL CLIENT SERVICE CENTER, YOUR \*\*
  CASH MANAGEMENT SALES OFFICER, OR RELATIONSHIP MANAGER WITH ANY QUESTIONS. \*\*

### PAST DUE AGING:

31 DAYS AND OVER	\$26.00	
TREASURER OF STATE	TOTAL AMOUNT DUE	39.00
ACCOUNT NUMBER: 359681427431	AMOUNT ENCLOSED:	<del></del>
MAIL PAYMENT TO:	APPLY TO THE FOLLOWING INV INVOICE NBR INVOICE AMT	OICES:
KEYBANK NATIONAL ASSOCIATION	18100001230 13.00	
ATTN: DEPARTMENT AA 0101	18110001220 13.00	-
P O BOX 901626	18120002790 13.00	
CLEVELAND, OHIO 44190-1626		

RETURN THIS PORTION WITH YOUR REMITTANCE

### Account Analysis Statement December 2018

\*TREASURER OF STATE 30 E BROAD ST 9TH FL COLUMBUS OH 43215-3414

### Relationship Overview: \*TREASURER OF STATE

Balance Summary	
Average Ledger Balance	\$0.00
LESS: Average Float	(\$0.00)
Average Collected Balance	\$0.00
Average Positive Collected Balance	\$0.00
Balance Available to Support Services	\$0.00
LESS: Balance Needed To Support Services	(\$5,462.08)
Balance Deficiency/Surplus for Eligible Services	(\$5,462.08)

Billing Information	
Settlement Cycle	Monthly
Payment Method	Invoice
Billing Account	XXXXXXXXX7431
Days in the Month	31

Service Charge Summary	
Service Charges Eligible for Earnings Credit	\$13.00
LESS: Earnings Credit Allowance	\$0.00
Service Charges Due	\$13.00/
<del></del>	

An invoice will be distributed on approximately the 15th business day of the month.

Trend Analysis ^								
Months	Average Ledger Balance	Average Collected Balance	Balance Available to Support Services	Balance Needed to Support Services	Service Charges Eligible for Earnings Credit	Earnings Credit Allowance	Direct Service Charges	Service Charges Due
DEC	\$0	\$0	\$0	\$5,462	\$13	\$0	\$0	\$13
NOV	\$0	\$0	\$0	\$5,882	\$13	\$0	\$0	\$13
OCT	\$0	\$0	\$0	\$6,103	\$13	\$0	\$0	\$13
SEP	\$0	\$0	\$0	\$6,667	\$13	\$0	\$0	\$13
AUG	\$0	\$0	\$0	\$6,599	\$13	\$0	\$0	\$13
JUL	\$0	\$0	\$0	\$6,566	\$13	\$0	\$0	\$13
JUN	\$0	\$0	\$0	\$5,729	\$11	\$0	\$0	\$11
MAY	\$0	\$0	\$0	\$5,584	\$11	\$0	\$0	\$11
APR	\$0	\$0	\$0	\$5,670	\$11	\$0	\$0	\$11
MAR	\$0	\$0	\$0	\$5,670	\$11	\$0	\$0	\$11
FEB	\$0	\$0	\$0	\$7,333	\$11	\$0	\$0	\$11
JAN	\$0	\$0	\$0	\$7,383	\$11	\$0	\$0	\$11
YTD	\$0	\$0	\$0	\$6,221	\$144	\$0	\$0	\$144

<sup>^</sup> All numbers in this section are rounded to the nearest whole dollar

Please contact your Account Officer or the Commercial Business Banking Center at 1-800-821-2829 with questions.

Account Officer: Lara Deleone

Center: 3080035 SO 6051-0101-31481556-N- 1

Relationship Summary

Relationship Overview: \*TREASURER OF STATE

Accounts in Relationship: 1

Accounts A	nalyzed ^						
Account Number	Account Name	Eamings Credit Rate	Balance Needed to Support Services	Balance Available to Support Services	Service Charges Eligible for Earnings Credit	Direct Service Charges	Eamings Credit Allowance
359681427431	*TREASURER OF STATE	2.81%	\$5,462	\$0	\$13	\$0	\$0
	Total		\$5,462	\$0	\$13	\$0	\$0

<sup>^</sup> All numbers in this section are rounded to the nearest whole dollar

<sup>\*</sup> Notes the billing account for the relationship

Service Act	tivity Summary	
Service	And the Control of th	Total Service
Codes	Services	Charges
AFP01	General Account Services	\$10.00
AFP25	General ACH Services	\$3.00
	Total	\$13.00

Service Codes	Services	Quantity	Unit Price	Total Service Charges	Balance Needed To Support Services
01	General Account Services	- The state of the			
01 00 00	Maintenance	1	\$10.00	\$10.00	\$4,201.60
01 04 40	Electronic Analysis Statement	1	\$0.00	\$0.00	\$0.00
	AFP01 TOTAL		*	\$10.00	\$4,201.60
25	General ACH Services				
25 10 52	EPA Admin Fee/Month	1	\$3.00	\$3.00	\$1,260.48
	AFP25 TOTAL		*	\$3.00	\$1,260.48
	Total			\$13.00	\$5,462.08



**Account Detail** 

Account Name: TREASURER OF STATE, AOS AGENCY COLLATERAL

Account Number: 359681427431

AA

Balance Summary	
Average Ledger Balance	\$0.00
LESS: Average Float	(\$0.00)
Average Collected Balance	\$0.00
Average Positive Collected Balance	\$0.00
Balance Available to Support Services	\$0.00

Rate and Other Information				
Earnings Credit Rate	2.81 %			
Service Charge Multiplier	\$420.16			
Earnings Credit Rate 2.81% Service Charge Multiplier \$420.16 Uncollected Funds Rate 0.00%				

Service Charge Summary	
Service Charges Eligible for Earnings Credit	\$13.00
Earnings Credit Allowance	(\$0.00)
Service Charges Due	\$13.00

Service Activity Details							
Service Codes	Services	Quantity	Unit Price	Total Service Charges	Balance Needed To Support Services		
01	General Account Services						
01 00 00	Maintenance	1	\$10.00	\$10.00	\$4,201.60		
01 04 40	Electronic Analysis Statement	1	\$0.00	\$0.00	\$0.00		
	AFP01 TOTAL		·	\$10.00	\$4,201.60		
25	General ACH Services						
25 10 52	EPA Admin Fee/Month	1	\$3.00	\$3.00	\$1,260.48		
	AFP25 TOTAL			\$3.00	\$1,260.48		
	Total			\$13.00	\$5,462.08		

#### Board of Deposit

#### KeyBank AOS Agency Collateral 7431 - December 2018

Bank Code	Service Code	Description	Unit Price	Total Unit	S	Total A	mount	List	Price	Vari	ance	Comments
RPMDAYPL	00 00 06	# POSITIVE DAYS		0	31	\$		\$	*	\$	•	
DDAANELC	01 04 40	ELECTRONIC ANALYSIS STATEMENT		0	1	\$		\$		\$		
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH		3	1	\$	3.00	\$	3.00	\$	3	
DDAMAINT	01 00 00	MAINTENANCE		10	1	\$	10.00	\$	10.00	\$		
		Total		PEZ-20-32-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3		\$	13.00	\$	13.00	\$		

Service Fee Total	\$	13.00
Earnings Credit Allowance	\$	
Total	Ś	13.00



# STATE BOARD OF DEPOSIT STATE OF OHIO

#### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

#### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent KeyBank banking fees for the month of December 2018, are \$27,138.09.

Robert Cole Symague	
Stacey bumber ander	
February 8, 2019	

TREASURER OF STATE
REGULAR ACCOUNT
30 E BROAD ST 10TH FL

COLUMBUS OH 43215-3414

DATE: JANUARY 11, 2019 OFFICER: OFFICER LXM3B ANALYSIS PERIOD: DECEMBER 2018

KEY ACCOUNT: 14511001050

#### ACCOUNT ANALYSIS INVOICE

INVOICE NUMBER	INVOICE DATE	PAYMENT	PAYMENT DATE	ADJUSTMENTS	OUTSTANDING INVOICE BALANCE
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
18090001180	10-11-18	34,775.75	12-19-18		.00
18100000909	11-11-18				38,291.83
18110000891	12-11-18				37,234.81
18120002460	01-11-19				27,138.09
	LESS TO	JTSTANDING INV FAL PAYMENTS R MOUNT DUE:		ICES:	137,440.48 34,775.75 102,664.73

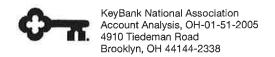
- \*\* PLEASE MAKE TIMELY PAYMENTS ON YOUR ANALYSIS INVOICE. INVOICES WHICH ARE 90 \*\*
- \*\* DAYS PAST DUE WILL BE DIRECT DEBITED FROM YOUR DDA ACCOUNT AND WILL INCUR A \$30 \*\*
- \*\* PAST DUE SURCHARGE. PLEASE CONTACT OUR COMMERCIAL CLIENT SERVICE CENTER, YOUR \*\*
- \*\* CASH MANAGEMENT SALES OFFICER, OR RELATIONSHIP MANAGER WITH ANY QUESTIONS. \*\*

PAST DUE AGING:

31 DAYS AND OVER \$75,526.64

\_\_\_\_\_\_ TREASURER OF STATE TOTAL AMOUNT DUE 102,664.73 ACCOUNT NUMBER: 14511001050 AMOUNT ENCLOSED: APPLY TO THE FOLLOWING INVOICES: MAIL PAYMENT TO: INVOICE NBR INVOICE AMT PAYMENT AMOUNT KEYBANK NATIONAL ASSOCIATION 18100000909 38,291.83 ATTN: DEPARTMENT AA 0101 18110000891 37,234.81 P O BOX 901626 18120002460 27,138.09 CLEVELAND, OHIO 44190-1626

RETURN THIS PORTION WITH YOUR REMITTANCE



\*TREASURER OF STATE 30 E BROAD ST COLUMBUS OH 43215-3414

Relationship Overview: \*TREASURER OF STATE

Balance Summary	( <u>†</u>
Average Ledger Balance	\$200,573,564.38
LESS: Average Float	(\$6,123,123.78)
Average Collected Balance	\$194,450,440.60
Average Negative Collected Balance	(\$7,242.15)
Average Positive Collected Balance	\$194,457,682.74
LESS: Compensating Balance	(\$183,375,714.51)
Balance Available to Support Services	\$11,081,968.23
LESS: Balance Needed To Support Services	(\$22,502,875.00)
Balance Deficiency/Surplus for Eligible Services	(\$11,420,906.77)

Billing Information	
Settlement Cycle	Monthly
Payment Method	Invoice
Billing Account	XXXXXXXX1050
Days in the Month	31

Service Charge Summary	
Service Charges Eligible for Earnings Credit LESS: Adjustment	\$53,558.14 (\$45.00)
Adjusted Service Charges Eligible for Earnings Credit	\$53,513.14
LESS: Earnings Credit Allowance	(\$26,375.05)
Service Charges Due	\$27,138,09

An invoice will be distributed on approximately the 15th business day of the month.

Trend A	Trend Analysis ^									
Months	Average Ledger Balance	Average Collected Balance	Balance Available to Support Services	Balance Needed to Support Services	Service Charges Eligible for Eamings Credit	Eamings Credit Allowance	Direct Service Charges	Service Charges Due		
DEC	\$200,573,564	\$194,450,441	\$11,081,968	\$22,502,875	\$53,558	\$26,375	\$0	\$27,138		
NOV	\$208,508,936	\$202,292,285	\$7,496,069	\$24,364,157	\$53,846	\$16,566	\$0	\$37,235		
OCT	\$165,735,133	\$157,160,043	\$10,869,433	\$28,867,562	\$61,489	\$23,152	\$0	\$38,292		
SEP	\$166,659,771	\$151,167,786	\$11,923,280	\$29,779,911	\$58,071	\$23,250	\$0	\$34,776		
AUG	\$150,388,159	\$144,377,646	\$11,520,166	\$30,416,452	\$59,921	\$22,654	\$0	\$37,223		
JUL	\$146,636,903	\$140,569,761	\$10,444,011	\$29,651,673	\$58,711	\$20,679	\$0	\$37,987		
JUN	\$214,103,637	\$199,700,245	\$11,902,915	\$29,075,645	\$55,826	\$22,854	\$0	\$32,927		
MAY	\$247,580,493	\$235,469,971	\$11,365,099	\$35,822,823	\$70,572	\$22,389	\$0	\$48,149		
APR	\$257,407,425	\$220,634,392	\$12,861,887	\$69,482,306	\$134,797	\$24,952	\$0	\$109,845		
MAR	\$206,074,351	\$196,053,416	\$14,727,704	\$60,492,030	\$117,356	\$28,572	\$0	\$88,784		
FEB	\$145,663,842	\$139,207,323	\$12,686,132	\$86,520,076	\$129,782	\$19,029	\$0	\$110,753		
JAN	\$165,385,590	\$143,763,778	\$11,848,259	\$42,271,509	\$62,985	\$17,654	\$0	\$45,331		

Please contact your Account Officer or the Commercial Business Banking Center at 1-800-821-2829 with questions.

Account Officer: Lara Deleone

Center: 3080035 SO

Relationship Overview: \*TREASURER OF STATE

1								
YTD	\$189,559,817	\$177,070,591	\$11,560,577	\$40,770,585	\$916,913	\$268,126	\$0	\$648,438
TID	\$103,003,017	\$177,070,001	\$11,000,011	\$40,110,000	4010,010	QLOO, ILO	- 40	40 10, 100

<sup>^</sup> All numbers in this section are rounded to the nearest whole dollar



**Relationship Summary** 

Relationship Overview: \*TREASURER OF STATE

Accounts in Relationship: 64

Accounts Ana	lyzed ^		100				
Non Interest Bea	ring Accounts				Service		
Account	Account	Earnings Credit	Balance Needed to Support	Balance Available to Support	Charges Eligible for Earnings	Direct Service	Earnings Credit
Number	Name	Rate	Services	Services	Credit	Charges	Allowance
	*TREASURER OF STATE	2.81%	\$11,903,386	\$391	\$28,331	<b>\$</b> 0	\$1 *0
14511001100	TREASURER OF STATE	2.81%	\$196,089	\$39	\$467 \$203	\$0 \$0	\$0 \$0
14511001225	TREASURER OF STATE	2.81%	\$85,313	\$0 \$0			
14511002447	TREASURER OF STATE	2.81%	\$7,521	\$0	\$18	\$0 \$0	\$0 \$0
14511002454	TREASURER OF STATE	2.81%	\$7,458	\$0	\$18		\$0 \$0
14511002462	TREASURER OF STATE	2.81%	\$7,342	\$0	\$17	<b>\$</b> 0	\$0
14511002470	TREASURER OF STATE	2.81%	\$75,041	\$0	\$179	\$0	\$0
14511002488	TREASURER OF STATE	2.81%	\$1,619,307	\$0	\$3,854	\$0	\$0
354511001688	TREASURER OF STATE	2.81%	\$10,052	\$0	\$24	\$0	\$0
354511002 <b>7</b> 93	TREASURER OF STATE	2.81%	\$7,248	\$0	\$17	\$0	\$0
359681004818	TREASURER OF STATE	2.81%	\$91,771	\$0	\$218	\$0	\$0
359681036752	TREASURER OF STATE	2.81%	\$7,143	\$0	\$17	\$0	\$0
359681092367	TREASURER OF STATE	2.81%	\$272,201	\$0	\$648	\$0	\$0
359681099438	TREASURER OF STATE	2.81%	\$8,676	\$0	\$21	\$0	\$0
359681107165	TREASURER OF STATE	2.81%	\$4,202	\$0	\$10	\$0	\$0
359681113973	TREASURER OF STATE	2.81%	\$11,649	\$0	\$28	\$0	\$0
359681120929	TREASURER OF STATE	2.81%	\$70,524	\$0	\$168	\$0	\$0
359681120952	TREASURER OF STATE	2.81%	\$40,346	\$0	\$96	\$0	\$0
359681129375	TREASURER OF STATE	2.81%	\$16,607	\$0	\$40	\$0	\$0
359681130506	TREASURER OF STATE	2.81%	\$76,910	\$0	\$183	\$0	\$0
359681147740	TREASURER OF STATE	2.81%	\$5,588	\$463	\$13	\$0	\$1
359681150413	TREASURER OF STATE	2.81%	\$15,226	\$0	\$36	\$0	\$0
359681156428	TREASURER OF STATE	2.81%	\$10,966	\$0	\$26	<b>\$</b> 0	\$0
359681163028	TREASURER OF STATE	2.81%	\$5,462	\$780	\$13	\$0 \$0	\$2
	TREASURER OF STATE	2.81%	\$5,462	\$4,698	\$13	<b>\$</b> 0	\$11
					\$13	<b>\$</b> 0	\$3
	TREASURER OF STATE	2.81%	\$5,462	\$1,173			
	TREASURER OF STATE	2.81%	\$8,708	\$0	\$21	\$0 \$0	\$0 \$0
	TREASURER OF STATE	2.81%	\$15,788	\$0	\$38	\$0	\$0
	TREASURER OF STATE	2.81%	\$7,353	\$0	\$18	\$0	\$0
359681197869	TREASURER OF STATE	2.81%	\$19,632	\$756,452	\$47	\$0	\$1,800
359681211991	STATE OF OHIO OBM WELFARE	2.81%	\$2,062,628	\$0	\$4,909	\$0	\$0
359681212064	STATE OF OHIO OBM MEDICAID	2.81%	\$626,532	\$0	\$1,491	\$0	\$0
359681212072	STATE OF OHIO OBM VENDOR	2.81%	\$1,418,418	\$0	\$3,376	\$0	\$0
359681237483	TREASURER OF STATE	2.81%	\$7,311	\$0	\$17	\$0	\$0
359681237491	TREASURER OF STATE	2.81%	\$38,287	\$38,982	\$91	\$0	\$93
359681245668	STATE OF OHIO	2.81%	\$127,886	\$0	\$304	\$0	\$0
359681245692	STATE OF OHIO	2.81%	\$2,405,500	\$0	\$5,725	\$0	\$0
359681296968	TREASURER OF STATE	2.81%	\$8,298	\$6	\$20	\$0	\$0
359681318788	STATE OF OHIO	2.81%	\$7,248	\$0	\$17	\$0	\$0
	OHIO DEPARTMENT OF	2.81%	\$9,576	\$0	\$23	\$0	\$0
	OHIO DEPARTMENT OF	2.81%	\$10,084	\$0	\$24	\$0	\$0
	OHIO DEPARTMENT OF	2.81%	\$16,439	\$0	\$39	\$0	\$0
359681342838	STATE OF OHIO	2.81%	\$4,580	\$10,278,983	\$11	<b>\$</b> 0	\$24,464
	TREASURER OF STATE	2.81%	\$9,674	\$0	\$23	<b>\$</b> 0	\$0
	TREASURER OF STATE	2.81%	\$11,092	\$0 \$0	\$26	<b>\$</b> 0	\$0
	TREASURER OF STATE	2.81%	\$7,185	\$0 \$0	\$17	<b>\$</b> 0	\$0
					\$17 \$17	\$0 \$0	\$0 \$0
	TREASURER OF STATE	2.81%	\$7,143	\$0 \$0			\$0 \$0
359681367363	TREASURER OF STATE	2.81%	\$7,720	\$0	\$18	\$0	\$

Relationship Summary

Accounts Ar	nalyzed^ - Continued						
Account Number	Account Name	Eamings Credit Rate	Balance Needed to Support Services	Balance Available to Support Services	Service Charges Eligible for Eamings Credit	Direct Service Charges	Earnings Credi Allowance
359681375382	TREASURER OF STATE	2.81%	\$7,143	\$0	\$17	\$0	\$0
359681395919	STATE OF OHIO DAS	2.81%	\$8,844	\$0	\$21	\$0	\$0
359681398533	TREASURER OF STATE	2.81%	\$5,882	\$0	\$14	\$0	\$0
359681398541	TREASURER OF STATE	2.81%	\$10,777	\$0	\$26	\$0	\$(
359681409108	TREASURER OF STATE	2.81%	\$7,164	\$0	\$17	\$0	\$0
359681409116	TREASURER OF STATE	2.81%	\$9,748	\$0	\$23	\$0	\$0
359681415592	TREASURER OF STATE	2.81%	\$241,371	\$0	\$574	\$0	\$0
359681435707	TREASURER OF STATE	2.81%	\$11,187	\$0	\$27	\$0	\$0
359681481164	TREASURER OF STATE	2.81%	\$723,230	\$0	\$1,721	\$0	\$(
359681492963	TREASURER OF STATE	2.81%	\$7,321	\$0	\$17	\$0	\$0
359681530721	TREASURER OF STATE	2.81%	\$12,185	\$0	\$29	\$0	\$0
Sub Tota		2.01 //	\$22,448,884	\$11,081,968	\$53,430	\$0	\$26,375
Interest Bearing	Accounts						
					Service		
			Balance	Balance	Charges	0:	**************************************
		Earnings	Needed to	Available to	Eligible for	Direct Service	Earnings Credi
Account	Account	Credit	Support	Support Services	Eamings Credit	Charges	Allowance
Number	Name	Rate	Services	\$0	\$23	\$0	\$10wance
359681260766	TREASURER OF STATE	2.81%	\$9,664	\$0 \$0	\$23	\$0 \$0	\$0
359681261657	TREASURER OF STATE	2.81%	\$9,664	\$0 \$0	\$23	\$0 \$0	\$(
359681261665	TREASURER OF STATE	2.81%	\$9,664	\$0 \$0	\$23 \$37	\$0 \$0	\$(
359683018600	TREASURER OF STATE	2.81%	\$15,336	\$0 \$0	\$23	\$0 \$0	\$0
359683035281	TREASURER OF STATE	2.81%	\$9,664	\$0 \$0	\$129	\$0	\$0
Sub Tota			\$53,991	20	9129	φU	ЭL
	Total		\$22,502,875	\$11,081,968	\$53,558	\$0	\$26,375

 $<sup>^{\</sup>mbox{\scriptsize $\Lambda$}}$  All numbers in this section are rounded to the nearest whole dollar

<sup>\*</sup> Notes the billing account for the relationship

Service Act	Service Activity Summary					
Service Codes	Services	Total Service Charges				
AFP00	Balance & Compensation Information	\$0.00				
AFP01	General Account Services	\$1,040.00				
AFP05	Lockbox Services	\$10.00				
AFP10	Depository Services	\$11,436.68				
AFP15	Paper Disbursement Services	\$102.16				
AFP20	Paper Disb. Reconciliation Services	\$74.58				
AFP25	General ACH Services	\$29,731.54				
AFP26	ACH Concentration Services	\$0.00				
AFP30	EDI Payment Services	\$185.33				
AFP35	Wire and Other Funds Xfer Services	\$4,520.50				
AFP40	Information Services	\$6,457.35				
AFP45	Investment/Custody Services	\$0.00				
AFP99	Undefined Services	\$0.00				

**Relationship Summary** 

Service Ac	ctivity Summary - Continued	<u> </u>
Service Codes	Services	Total Service Charges
	Total	\$53,558.14

Service	ctivity Details			Total Service	Balance Needed To
Codes	Services	Quantity	Unit Price	Charges	Support Service
00	Balance & Compensation Information				
00 02 12 H	Uncollected Fund Direct Charge	0	\$0.00	\$0.00	\$0.00
00 02 30	Deposit Assessment			\$0.00	\$0.00
	AFP00 TOTAL			\$0.00	\$0.00
01	General Account Services				
01 00 00	Maintenance	64	\$10.00	\$640.00	\$268,902.40
01 00 99	ZBA Concentration Account	6	\$10.00	\$60.00	\$25,209.60
01 00 99	ZBA Subsidiary Accounts	49	\$4.00	\$196.00	\$82,351.36
01 02 02	KeyNav ZBA Report	1	\$0.00	\$0.00	\$0.00
01 03 00	DDA Paper Statement	14	\$6.00	\$84.00	\$35,293.44
01 03 07	KeyNav Corp Banking Statement	126	\$0.00	\$0.00	\$0.00
01 03 99	DDA Stmt Special Cut	6	\$5.00	\$30.00	\$12,604.80
01 03 99	Statement Duplicate Copy	3	\$10.00	\$30.00	\$12,604.80
01 04 07	KeyNav Analysis Statement	1	\$0.00	\$0.00	\$0.00
01 04 40	Electronic Analysis Statement	1	\$0.00	\$0.00	\$0.00
01 04 47	KeyNav RPM 822 Statement	1	\$0.00	\$0.00	\$0.00
	AFP01 TOTAL			\$1,040.00	\$436,966.40
05	Lockbox Services				
05 04 00	KeyNav Receivables Base Fee	1	\$5.00	\$5.00	\$2,100.80
05 04 24	KeyNav LBX Image Base Fee	1	\$5.00	\$5.00	\$2,100.80
	AFP05 TOTAL			\$10.00	\$4,201.60
10	Depository Services				
10 00 00	Branch Deposited Cash	7,454.44	\$0.0005	\$3.73	\$1,566.01
10 01 00	Vault Deposited Cash	385,819.29	\$0.00109	\$420.54	\$176,695.35
10 02 00	Deposits Branch\Night Drop Tkt	95	\$0.55	\$52.25	\$21,953.34
10 02 00	Deposits Key Capture Ticket	712	\$0.08	\$56.96	\$23,932.30
10 02 00	Deposits Key Image Cash Letter	43	\$0.08	\$3.44	\$1,445.35
10 02 00	Deposits Vault Ticket	18	\$0.08	\$1.44	\$605.03
10 02 00	Miscellaneous Deposit Tickets	12	\$0.55	\$6.60	\$2,773.05
10 02 1B	Electronic Item Clearing Fee	21,309	\$0.07	\$1,491.63	\$626,723.24
10 02 1B	ICL Clear Agent	48,602	\$0.07	\$3,402.14	\$1,429,443.14
10 02 1B	RDC Scanned Item	21,309	\$0.01	\$213.09	\$89,531.88
10 02 10	ICL On-Us	7,220	\$0.03	\$216.60	\$91,006.65
10 02 18	ICL Direct Send	82,372	\$0.03	\$2,471.16	\$1,038,282.58
0 02 24	Branch Per Item Charge	322	\$0.10	\$32.20	\$13,529.14
10 04 00	Check Charge Backs	139	\$1.00	\$139.00	\$58,402.24
10 04 02	Redeposited Returned	133	\$1.50	\$199.50	\$83,821.92
10 04 16	KeyNav Return Item Report		\$5.00	\$5.00	\$2,100.80

Relationship Summary

Service	Activity Details - Continued	120 - 100 -	0/0/04000000000000000000000000000000000	Total Service	Balance Needed T
Codes	Services	Quantity	Unit Price	Charges	Support Service
10 04 16	Return Advice Image Inquiry	1	\$0.00	\$0.00	\$0.00
10 04 16	Return Item Image	35	\$0.50	\$17.50	\$7,352.80
10 06 00	Deposit Recon Maintenance	1	\$10.00	\$10.00	\$4,201.60
10 06 10	Deposit Recon Per Deposit	49	\$0.10	\$4.90	\$2,058.78
10 99 99	ICL Monthly Fee	2	\$100.00	\$200.00	\$84,032.00
10 99 99	RDC Monthly Fee	88	\$28.00	\$2,464.00	\$1,035,274.24
10 99 99	RDC Reporting Module	1	\$0.00	\$0.00	\$0.00
10 99 99	RDC Setup Fee	1	\$25.00	\$25.00	\$10,504.00
	AFP10 TOTAL			\$11,436.68	\$4,805,235.44
15	Paper Disbursement Services				
15 00 30	Positive Pay Maintenance	2	\$5.00	\$10.00	\$4,201.60
15 01 00	Checks/Debits Paid	1,224	\$0.045	\$55.08	\$23,142.4
15 01 20	Positive Pay Per Item	1,229	\$0.02	\$24.58	\$10,327.52
15 03 22	Pospay/ Pymt Protection Return	5	\$0.00	\$0.00	\$0.00
15 04 10	KeyNav Stop Payment Entry	5	\$2.50	\$12.50	\$5,252.00
	AFP15 TOTAL			\$102.16	\$42,923.53
20	Paper Disb. Reconciliation Services				
20 00 10	Reconciliation Maintenance	2	\$10.00	\$20.00	\$8,403.20
20 01 10	Reconciliation Per Item	1,229	\$0.02	\$24.58	\$10,327.52
20 02 01	ARP Weekly Trans Input/Month	1	\$20.00	\$20.00	\$8,403.20
20 03 24	ARP Recon Paper Report	1	\$10.00	\$10.00	\$4,201.60
	AFP20 TOTAL			\$74.58	\$31,335.52
25	General ACH Services				
25 00 00	ACH Monthly Fee	10	\$10.00	\$100.00	\$42,016.00
25 01 00	Orig ACH Dr Via Direct Send	213,193	\$0.025	\$5,329.86	\$2,239,379.23
25 01 00	Originated ACH DB Via KeyNav	150	\$0.025	\$3.76	\$1,575.59
25 01 01	ACH Tax Payment Via KeyNav	3	\$0.50	\$1.50	\$630.24
25 01 01	Orig ACH Cr Via Direct Send	395,810	\$0.025	\$9,895.26	\$4,157,588.20
25 01 01	Originated ACH Cr Via KeyNav	18	\$0.025	\$0.45	\$189.07
25 01 20	ACH Addenda Originated	183,532	\$0.025	\$4,588.31	\$1,927,820.11
25 01 40	Originated Late File Surcharge	86	\$0.75	\$64.50	\$27,100.32
25 02 00	Incoming ACH Debit Item	29	\$0.025	\$0.73	\$304.59
25 02 01	Incoming ACH Credit Item	78,516	\$0.025	\$1,963.04	\$824,731.88
25 02 20	ACH Received Addenda	86,643	\$0.025	\$2,166.13	\$910,097.97
25 03 02	ACH Return Items	1,410	\$0.50	\$705.00	\$296,212.80
25 03 02	Unauthorized ACH Item Return	98	\$0.50	\$49.00	\$20,587.84
25 04 01	CAR,Noc,Rtn Rpt Via E-Mail	308	\$4.00	\$1,232.00	\$517,637.12
25 05 01	ACH Data Transmission	325	\$5.00	\$1,625.00	\$682,760.00
25 06 40	ACH Reversal Or Deletion	27	\$10.00	\$270.00	\$113,443.20
25 07 01	CAR Report Via KeyNav IR	1	\$5.00	\$5.00	\$2,100.80
25 07 01	Rtn ACH Converted Draft Rpt	1	\$0.00	\$0.00	\$0.00
25 07 01	Rtn ACH Resubmited Via ACH Rpt	1	\$0.00	\$0.00	\$0.00
25 10 00	ACH Setup	1	\$0.00	\$0.00	\$0.00
25 10 50	EPA Implementation Fee	1	\$10.00	\$10.00	\$4,201.60
25 10 52	EPA Admin Fee/Month	61	\$3.00	\$183.00	\$76,889.28

**Relationship Summary** 

Service	Activity Details - Continued			Total Service	Balance Needed To
Codes	Services	Quantity	Unit Price	Charges	Support Services
25 10 70	ACH Noc	3,018	\$0.50	\$1,509.00	\$634,021.44
25 10 70	ACH Direct Monthly Maint	1	\$15.00	\$15.00	\$6,302.40
25 11 00	KeyNav ACH Monthly Base Fee	i	\$15.00	\$15.00	\$6,302.40
25 11 00	AFP25 TOTAL		ψ10.00	\$29,731.54	\$12,491,892.08
26	ACH Concentration Services		40.00	00.00	<b>#0.00</b>
26 04 00	ACH Reports	1	\$0.00	\$0.00	\$0.00
	AFP26 TOTAL			\$0.00	\$0.00
30	EDI Payment Services				
30 00 00	Monthly EDI Origination Fee	2	\$5.00	\$10.00	\$4,201.60
30 02 10	EDI Translation Fee/1000 Chara	1,213	\$0.025	\$30.33	\$12,741.35
30 02 25	KeyNav Intraday EDI Remit Rpt	1	\$45.00	\$45.00	\$18,907.20
30 02 25	KeyNav Previous Day EDI Report	1	\$0.00	\$0.00	\$0.00
30 05 00	EDI Per File Orig/Recd Fee	20	\$5.00	\$100.00	\$42,016.00
	AFP30 TOTAL			\$185.33	\$77,866.15
35	Wire and Other Funds Xfer Services				
35 01 00	KevNav Domestic Repeat	1	\$5.00	\$5.00	\$2,100.80
35 01 03	KeyNav Domestic Nonrepeat	16	\$5.00	\$80.00	\$33,612.80
35 01 04	Batch Wire Domestic	2	\$8.00	\$16.00	\$6,722.56
35 01 13	KeyNav International Nonrepeat	5	\$10.00	\$50.00	\$21,008.00
35 01 20	KeyNav Internal Repeat	19	\$3.50	\$66.50	\$27,940.64
35 01 23	KeyNav Internal Nonrepeat	6	\$3.50	\$21.00	\$8,823.36
35 01 24	Batch Wire Internal Nonrepeat	50	\$2.00	\$100.00	\$42,016.00
35 03 00	Incoming Domestic Wire Stp	519	\$8.00	\$4,152.00	\$1,744,504.32
35 04 11	Wire Mail Advice For Incoming	1	\$5.00	\$5.00	\$2,100.80
35 06 00	KevNav Wire Maintenance	1	\$25.00	\$25.00	\$10,504.00
35 40 0Z	KeyNav In/Out Wire Rpt	1	\$0.00	\$0.00	\$0.00
00 10 02	AFP35 TOTAL	•	•	\$4,520.50	\$1,899,333.28
40	Information Services				
40 00 12	KeyNav BAI2 Previous Day File	1	\$2.50	\$2.50	\$1,050.40
40 00 12	KeyNav BAI2 I revious Bay I lie	i	\$2.50	\$2.50	\$1,050.40
40 00 13	KeyNav Previous Day Report	126	\$1.75	\$220.50	\$92,645.28
40 00 52	KeyNav Intraday Report	126	\$1.75	\$220.50	\$92,645.28
40 00 33	BAI File Transfer Per Acct	156	\$5.00	\$780.00	\$327,724.80
40 01 10	BAI File Xfer Per Detail	170,578	\$0.014	\$2,388.09	\$1,003,380.73
40 01 10	BAI Per File Transfer Fee	66	\$2.50	\$165.00	\$69,326.40
40 01 10	KeyNav Online Access	3	\$0.00	\$0.00	\$0.00
40 02 10	KeyNav Pre Day Detail Items	86,123	\$0.00	\$1.377.97	\$578,967.03
	KeyNav Intraday Detail Items	•	\$0.016	\$1,291.79	\$576, <del>3</del> 67.03 \$542,759.32
40 02 74		80,737 17	\$0.50	\$8.50	\$3,571.36
40 08 00	Long-Term Image Access AFP40 TOTAL	17	φυ.ου	\$6,457.35	\$2,713,121.00
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45	Investment/Custody Services				

Relationship Summary

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Service Codes	Services	Quantity	Unit Price	Total Service Charges	Balance Needed To Support Services
45 04 03	KeyNav Investments Confirm Rpt	ĺ	\$0.00	\$0.00	\$0.00
10 0 1 00	AFP45 TOTAL			\$0.00	\$0.00
99	Undefined Services Public Reloadable	1	\$0.00	\$0.00	\$0.00
99 99 99	AFP99 TOTAL		Ψ0.00	\$0.00	\$0.00
	Total			\$53,558.14	\$22,502,875.00

Board of Deposit KeyBank State Regular Account 6213 - December 2018

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RPMDAYPL         00 00 06         #POSITIVE DAYS         0         31 \$         -         -         -         \$         -         \$         -         \$         - <t< td=""><td>RPMDAYPL</td><td>00 00 06</td><td>#POSITIVE DAYS</td><td></td><td>31</td><td>\$ .</td><td>\$ -</td><td>\$ -</td></t<>	RPMDAYPL	00 00 06	#POSITIVE DAYS		31	\$ .	\$ -	\$ -
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DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         6 \$         0.150 \$         0.150 \$         -           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         92663 \$         2,316.580 \$         2,316.575 \$         0.01 Rounding           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         28175 \$         704.380 \$         704.375 \$         0.00 Rounding           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         57722 \$         1,443.050 \$         1,443.050 \$         -           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         2528 \$         63.200 \$         63.200 \$         -								9
DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         92663         \$ 2,316.580         \$ 2,316.575         \$ 0.01         Rounding           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         28175         \$ 704.380         \$ 704.375         \$ 0.00         Rounding           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         57722         \$ 1,443.050         \$ 1,443.050         \$ -           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         2528         \$ 63.200         \$ 63.200         \$ -								
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DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         57722         \$ 1,443.050         \$ 1,443.050         \$ -           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         2528         \$ 63.200         \$ 63.200         \$ -	DDACHADD	25 01 20	ACH ADDENDA ORIGINATED	0.025	92663	5 2,316.580	\$ 2,316.575	\$ 0.01 Rounding
DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         57722         \$ 1,443.050         \$ 1,443.050         \$ -           DDACHADD         25 01 20         ACH ADDENDA ORIGINATED         0.025         2528         \$ 63.200         \$ 63.200         \$ -	DACHADD	25 01 20	ACH ADDENDA ORIGINATED	0.025	28175	\$ 704.380	\$ 704.375	\$ 0.00 Rounding
DDACHADD 25 01 20 ACH ADDENDA ORIGINATED 0.025 2528 \$ 63.200 \$ 63.200 \$ -								
DDATRM52 25 05 01 ACH DATA TRANSMISSION 5 148 \$ 740.000 \$ -	****					<del>0,                                    </del>		
	DDATRMS2	25 05 01	ACH DATA TRANSMISSION		148	740.000	740.000	\$ .

					445,000	145,000	
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	29 \$			<del></del>
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	7 \$			
DDATRM52	25 05 01	ACH DATA TRANSMISSION	5	20 \$			\$ ·
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	2 \$			
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	40 \$			\$ -
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	8 \$	40.000		
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	46 \$	230.000	230.000	\$
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	17 \$	85.000	85.000	\$ -
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	8 \$	40.000	40.000	\$ -
	25 11 00	ACH DIRECT MONTHLY MAINT	15	1 \$		15.000	\$ -
DDAOLDIR			10	4 \$			\$ -
DDACHMTH	25 00 00	ACH MONTHLY FEE		2 \$			\$ -
DDACHMTH	25 00 00	ACH MONTHLY FEE	10				S -
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	1 \$			·
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	1 \$	*****		\$ ·
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	1 \$			
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	1 \$			\$ -
DDACHNOC	25 10 70	ACH NOC	0.5	2688 \$	1,344.000	1,344.000	\$ -
DDACHNOC	25 10 70	ACH NOC	0.5	14 \$	7.000	7.000	\$ .
DDACHNOC	25 10 70	ACH NOC	0.5	24 \$	12.000	12.000	\$ -
DDACHNOC	25 10 70	ACH NOC	0.5	29 \$		14.500	\$ .
	25 10 70	ACH NOC	0.5	46 \$			\$ .
DDACHNOC			0.5	2 \$			
DDACHNOC	25 10 70	ACH NOC					
DDACHNOC	25 10 70	ACH NOC	0.5	51 \$			
DDACHNOC	25 10 70	ACH NOC	0.5	72 \$			
DDACHNOC	25 10 70	ACH NOC	0.5	66 \$			
DDACHNOC	25 10 70	ACH NOC	0.5	25 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	2279 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	17 \$	0.430	0.425	\$ 0.01 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	14 \$		0.350	ş -
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0,025	8 \$			\$ -
The second statement of the second		ACH RECEIVED ADDENDA	0:025	2999 \$			
DDACHRAD	25 02 20			80920 \$		\$ 2,023.000	
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025		The second secon	A state of the last of the las	
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	30 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	1 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	73 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	120 \$	3.000	\$ 3.000	\$ -
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	1 \$	0.030	\$ 0.025	\$ 0.01 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	4 \$	0.100	0.100	\$ -
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	32 \$		0.800	\$ -
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	8 \$			\$ -
			0.025	13 \$			A CONTRACTOR OF THE CONTRACTOR
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA					
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	4 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	2 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	11 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	50 \$			
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	2 \$	0.050	0.050	\$ -
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	28 \$	0.700	\$ 0.700	\$ -
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	13 \$	0.330	5 0.325	\$ 0.01 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	1 \$	0.030	0.025	\$ 0.01 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	4 \$			\$
AND DESCRIPTION OF THE PERSON NAMED IN		ACH RECEIVED ADDENDA	0.025	9 \$			
DDACHRAD	25 02 20		0.025	1 \$			\$ -
DDAOLACH	26 04 00	ACH REPORTS					
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	1054 \$			
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	5 \$			
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	3 \$			
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	32 \$			
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	5 \$	2.500		
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	3 \$	1.500	1.500	\$
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	4 \$	2.000	\$ 2.000	\$ -
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	59 \$			
DDAACRT1		ACH RETURN ITEMS	0.5	15 \$			
	25 03 02		0.5	74 \$			\$ -
DDAACRT1	25 03 02	ACH RETURN ITEMS					
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	77 \$			
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	42 \$	****		
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	1 \$			
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	35 \$		~	
DDAACRT1	25 03 02	ACH RETURNITEMS	0.5	1 \$	0.500		
DDACHMNT	25 06 40	ACH REVERSAL OR DELETION	10	2 \$	20.000	\$ 20.000	\$ .
DDACHMNT	25 06 40	ACH REVERSAL OR DELETION	10	25 \$			\$ .
DDACHSET	25 10 00	ACH SETUP	0	1 5			\$ -
			0.5	3 \$			
DDACHTAX	25 01 01	ACH TAX PAYMENT VIA KEYNAV					
DDACHNOC	25 10 70	ACHNOC	0.5	1 \$			
DDARSPMA	20 03 24	ARP RECON PAPER REPORT	10	1 \$			<u> </u>
DDAPPTRI	20 02 01	ARP WEEKLY TRANS INPUT/MONTH	20	1 \$			\$
DDAOLXAC	40 01 10	BAI FILE TRANSFER PER ACCT	5	156 \$			
DDAOLXIT	40 01 10	BAI FILE XFER PER DETAIL	0.014	170578 \$	2,388.090	\$ 2,388.092	\$ (0.00) Rounding
DDAOLXBA	40 01 10	BAI PER FILE TRANSFER FEE	2.5	66 \$	165.000	\$ 165.000	\$ -
		BATCH WIRE DOMESTIC	8	2 \$			
DDABWIRD	35 01 04						

1						40.000	*
DDAWIR32	35 01 24	BATCH WIRE INTERNAL NONREPEAT	2	20 \$			2011
DDAWIR32	35 01 24	BATCH WIRE INTERNAL NONREPEAT	2	30 \$ 57 \$			17,
DDAOTCSH	10 00 00	BRANCH DEPOSITED CASH BRANCH DEPOSITED CASH	0,0005	336.5 \$			
DDAOTCSH	10 00 00	BRANCH DEPOSITED CASH	0.0005	3178 \$			
DDAOTCSH	10 00 00	BRANCH DEPOSITED CASH	0.0005	3883 \$			
DDAITUOH	10 02 24	BRANCH PER ITEM CHARGE	0.1	162 \$		\$ 16.200	
DDAITUOH	10 02 24	BRANCH PER ITEM CHARGE	0.1	2 \$			
DDAITUOH	10 02 24	BRANCH PER ITEM CHARGE	0.1	120 \$	12,000	\$ 12.000	\$
DDAITUOH	10 02 24	BRANCH PER ITEM CHARGE	0.1	38 \$	3.800	\$ 3.800	\$
DDAOLCAR	25 07 01	CAR REPORT VIA KEYNAV IR	5	1 \$			
DDACHRPT	25 04 01	CARNOCRTN RPT VIA E-MAIL	4	57 \$		\$ 228,000	(Indeed)
DDACHRPT	25 04 01	CARNOCRTN RPT VIA E-MAIL	4	129 \$			
DDACHRPT	25 04 01	CARNOCRTN RPT VIA E-MAIL	4	1 \$		\$ 4.000 \$ 472.000	
DDACHRPT	25 04 01 25 04 01	CARNOCRTN RPT VIA E-MAIL CARNOCRTN RPT VIA E-MAIL	4	118 \$			\$ -
DDACHRPT	10 04 00	CHECK CHARGE BACKS	1	139 \$			\$ -
DDACHECK	15 01 00	CHECKS/DEBITSPAID	0.045	1224 \$		\$ 55.080	
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1 \$		\$ 6.000	\$ -
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1 \$	6.000	\$ 6.000	\$ -
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1 \$	6.000	\$ 6.000	\$ -
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1 \$	6.000	\$ 6.000	\$ -
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DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1 \$			
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1 \$	6.000	\$ 6.000	\$ •
DDASTSPC	01 03 99	DDA STMT SPECIAL CUT	5	3 \$	15.000	\$ 15.000	\$
DDASTSPC	01 03 99	DDA STMT SPECIAL CUT	5	3 \$			\$ -
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0 \$			\$ -
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0 \$			\$
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DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0 \$			\$ - \$ -
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DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0 \$			\$
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0 \$		5 -	\$
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0 \$		\$	\$
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DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0 \$			\$ -
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0 \$			ş ·
DDARBAS3	10 06 00	DEPOSIT RECON MAINTENANCE	10	1 \$			
DDAARCRT	10 06 10	DEPOSIT RECON PER DEPOSIT	0.1	49 \$ 39 \$			
DDADPBRN DDADPBRN	10 02 00	DEPOSITS BRANCH\NIGHT DROP TKT DEPOSITS BRANCH\NIGHT DROP TKT	0.55	2 \$			
DDADPBRN	10 02 00	DEPOSITS BRANCH (NIGHT DROP TKT	0.55	40 \$			
DDADPBRN	10 02 00	DEPOSITS BRANCH\NIGHT DROP TKT	0.55	7 \$			
DDADPBRN	10 02 00	DEPOSITS BRANCH\NIGHT DROP TKT	0.55	7.\$			
DDADPKCP	10 02 00	DEPOSITS KEY CAPTURE TICKET	0.08	424 \$			
DDADPKCP	10 02 00	DEPOSITS KEY CAPTURE TICKET	80,0	5 \$			
DDADPKCP	10 02 00	DEPOSITS KEY CAPTURE TICKET	0.08	283 \$	The second second second		A
DDADPKPL	10 02 00	DEPOSITS KEY IMAGE CASH LETTER	0.08	43 \$			X
DDADPVLT	10 02 00	DEPOSITS VAULT TICKET	0.08	18 \$			
DDAEDITA	30 05 00	EDI PER FILE ORIG/RECD FEE	5	20 \$			<del>2</del>
DDAEDITR DDAEDITR	30 02 10 30 02 10	EDI TRANSLATION FEE/1000 CHARA EDI TRANSLATION FEE/1000 CHARA	0.025	20 \$ 1193 \$		The second second	
DDAEDITK	01 04 40	ELECTRONIC ANALYSIS STATEMENT	0.025	1 \$			\$ .
DDAITEAG	10 02 1B	ELECTRONIC ANALYSIS STATEMENT ELECTRONIC ITEM CLEARING FEE	0.07	80 \$			
DDAITEAG	10 02 1B	ELECTRONIC ITEM CLEARING FEE	0.07	371 \$			
DDAITEAG	10 02 1B	ELECTRONIC ITEM CLEARING FEE	0.07	20858 \$	And the second s	1,460.060	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$			
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$			
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$		\$ 3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$			
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DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$			
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DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3,000	\$ 3.000	\$
THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000		\$
DDAEPAAD					3.000	A CONTRACTOR OF THE PARTY OF TH	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$			
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$			\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$
			3	1 \$		\$ 3,000	
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DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	. 3	1 \$			\$ -
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DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$ .
The Control of the Co		A STATE OF THE STA		1 \$			\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3			The second section is a second section of	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	2 \$			\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	2 \$	6.000	\$ 6,000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$
Contract Con			3	1 \$			\$ .
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH					
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000		
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$		\$ 3,000	
			3	1 \$			\$ .
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH					
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000		
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000		\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$ .
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000		\$ -
		EPA ADMIN FEE/MONTH	3	1 \$	3.000		š -
DDAEPAAD	25 10 52	1 100 1 100 100 100 100					
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$			\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$ .
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	\$ 3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$
A CONTRACTOR OF THE PARTY OF TH		The second secon	3	1 \$			
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH			3.000		
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000		\$ .
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$
			3	1 \$	3.000		
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH					
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000		
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$ -
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$ .
			3		3.000		<u> </u>
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH		1 \$			·
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000		
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	\$
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1 \$	3.000	3.000	ŝ -
DDAEPAAD	25 10 52	EPA ADMINFEE/MONTH	3	1 \$	3.000	3.000	\$
DDAEPAMN	25 10 50	EPA IMPLEMENTATION FEE	10	1 \$	10.000		
DDAKCPCA	10 02 1B	ICL CLEAR AGENT	0.07	48602 \$		3,402.140	
DDAKCPDS	10 02 18	ICL DIRECT SEND	0.03	82372 \$		2,471.160	
DDAKCPMN	10 99 99	ICL MONTHLY FEE	100	2 \$	200.000	200.000	\$
DDAKCPOU	10 02 10	ICL ON-US	0.03	7220 \$	216.600	216.600	\$ -
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	1544 \$	38.600		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	19 \$	0.480		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	16 \$	0.400		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	11 \$	0.280	0.275	0.01 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	2905 \$	72.630	72.625	0.00 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	71921 \$		1,798.025	
							i service and
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	7 \$	0.180		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	2 \$	0.050		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	4 \$	0.100	0.100	\$ -
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	463 \$	11.580	11.575	0.01 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	73 \$	1.830		
					0.730		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	29 \$			
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	40 \$	1.000 \$		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	20 \$	0.500	0.500	\$
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	121 \$	3.030	3.025	0.00 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	1 \$	0.030		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	4 \$	0.100		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	115 \$	2.880		
	25 02 01	INCOMING ACH CREDIT ITEM	0.025	29 \$	0.730	0.725	0.01 Rounding
DDACHCR2	23 02 01			31 \$	0.780		
DDACHCR2		INCOMING ACH CREDIT ITEM	0.025				
DDACHCR2 DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025				
DDACHCR2 DDACHCR2 DDACHCR2	25 02 01 25 02 01	INCOMING ACH CREDIT ITEM	0.025	20 \$	0.500 \$	0.500	•
DDACHCR2 DDACHCR2 DDACHCR2 DDACHCR2	25 02 01 25 02 01 25 02 01	INCOMING ACH CREDIT ITEM INCOMING ACH CREDIT ITEM	0.025 0.025	20 \$ 9 \$	0.500 S 0.230 S	0.500 0.225	S - S 0.01 Rounding
DDACHCR2 DDACHCR2 DDACHCR2	25 02 01 25 02 01	INCOMING ACH CREDIT ITEM	0.025	20 \$	0.500 \$ 0.230 \$ 0.500 \$	0.500 0.225 0.500	0.01 Rounding
DDACHCR2 DDACHCR2 DDACHCR2 DDACHCR2	25 02 01 25 02 01 25 02 01	INCOMING ACH CREDIT ITEM INCOMING ACH CREDIT ITEM	0.025 0.025	20 \$ 9 \$	0.500 S 0.230 S	0.500 0.225 0.500	0.01 Rounding

DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	27 \$	0.680	0.675	\$ 0.01 Rounding
					0.400		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	16 \$			
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	725 \$	18,130	18.125	\$ 0.00 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	19 \$	0.480	0.475	0.01 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	16 \$	0.400	0.400	\$ -
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	13 \$	0.330	0.325	0.01 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	6 \$	0.150	0,150	\$
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	5 \$	0.130	0.125	0.01 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	11 \$	0.280		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	1 \$	0.030	0.025	0.01 Rounding
CANADA AND AND AND AND AND AND AND AND AN	25 02 01		0.025	86 \$	2.150	2.150	\$
DDACHCR2		INCOMING ACH CREDIT ITEM					
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	2 \$	0.050	0.050	\$ -
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	27 \$	0.680	0.675	5 0.01 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	1 \$	0.030		
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	13 \$	0.330	0.325	0.01 Rounding
		INCOMING ACH CREDIT ITEM	0.025	1 \$	0.030	0.025	0.01 Rounding
DDACHCR2	25 02 01						
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	4 \$	0.100	0.100	\$
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	119 \$	2.980	2.975	0.00 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	2 \$	0.050	0.050	\$ =
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	8 \$	0.200	0.200	Ś ·
DDACHDR2	25 02 00	INCOMING ACH DEBIT ITEM	0.025	7 \$	0.180		
DDACHDR2	25 02 00	INCOMING ACH DEBIT ITEM	0.025	4 \$	0.100	0.100	\$
				14 \$	0.350	0.350	
DDACHDR2	25 02 00	INCOMING ACH DEBIT ITEM	0.025				
DDACHDR2	25 02 00	INCOMING ACHDEBIT ITEM	0.025	4 \$	0.100		
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	455 \$	3,640.000	3,640.000	\$ 25
					****		100000000000000000000000000000000000000
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	33 \$	264.000	264.000	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	1 \$	8.000	8.000	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	2 \$	16.000		)
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	2 \$	16.000	16,000	
	35 03 00		8	20 \$	160.000	160.000	
DDAWIRE1		INCOMING DOMESTIC WIRE STP					
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	2 \$	16.000	16.000	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	1 \$	8.000 \$	8.000	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	2 \$	16.000	16.000	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	1 \$	8.000	8,000	
DDACHCR2	25 02 01	INCOMINGACH CREDIT ITEM	0.025	3 \$	0.080		
DDAOLCHA	25 11 00	KEYNAV ACH MONTHLY BASE FEE	15	1 \$	15,000	15.000	-
		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	1 \$			
DDAOLRPM	01 04 07	KEYNAV ANALYSIS STATEMENT					
DDAOLIBA	40 00 15	KEYNAV BAI2 INTRADAY FILE	2.5	1 \$	2.500 \$	2.500	
DDAOLBAI	40 00 12	KEYNAV BAJ2 PREVIOUS DAY FILE	2.5	1 \$	2.500 \$	2.500	
Printed States and Personal Printed States and Parket States and P							
DDAOLDDA	01 03 07	KEYNAV CORP BANKING STATEMENT	0	126 \$			
DDAOLDWN	35 01 03	KEYNAV DOMESTIC NONREPEAT	5	15 \$	75.000	75.000	1.71
DDAOLDWN	35 01 03	KEYNAV DOMESTIC NONREPEAT	5	1 \$	5.000 \$		
DDAOLDWR	35 01 00	KEYNAV DOMESTIC REPEAT	5	1 \$	5.000 \$	5.000	
			0				
DDAOLIOW	35 40 0Z	KEYNAV IN/OUT WIRE RPT		1 \$		-	
DDAOLITN	35 01 23	KEYNAV INTERNAL NONREPEAT	3.5	3 \$	10.500 \$	10.500	4
DDAOLITN	35 01 23	KEYNAV INTERNAL NONREPEAT	3.5	3 \$	10.500 \$	10.500	
DDAOLITR	35 01 20	KEYNAV INTERNAL REPEAT	3.5	14 \$	49.000 \$	49.000	
DDAOLITR	35 01 20	KEYNAV INTERNAL REPEAT	3.5	5 \$	17.500 \$	17.500	4
The same of the sa		THE RESERVE OF THE PROPERTY OF					
DDAOLILN	35 01 13	KEYNAV INTERNATIONAL NONREPEAT	10	5 \$	50.000 \$		
DDAOLIRD	40 02 74	KEYNAV INTRADAY DETAIL ITEMS					
			0.016			1.291.792	(0.00) Rounding
			0.016	80737 \$		1,291.792	
			0.016			1,291.792	Chrgd Incorr - credit will
DDAOLIED			0.016			1,291.792	
	30 02 25	KEYNAV INTRADAY FDI REMIT RPT		80737 \$	1,291.790 \$		Chrgd Incorr - credit will be applied on January
	30 02 25	KEYNAV INTRADAY EDI REMIT RPT	45	80737 \$	1,291.790 \$		Chrgd Incorr - credit will be applied on January 45.00 Invoice
DDAOLIDA	30 02 25 40 00 55	KEYNAV INTRADAY REPORT		80737 \$ 1 \$ 126 \$	1,291.790 \$ 45.000 \$ 220.500 \$	5 - S 5 220.500 S	Chrgd Incorr - credit will be applied on January 45.00 Invoice
		KEYNAV INTRADAY REPORT	45	80737 \$ 1 \$ 126 \$	1,291.790 \$	5 - S 5 220.500 S	Chrgd Incorr - credit will be applied on January 45.00 Invoice
DDAOLIDA DDAOLSWP	40 00 55 45 04 03	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT	45 1.75 0	1 \$ 126 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$	220.500 \$	Chrgd Incorr - credit will be applied on January 45,00 Invoice
DDAOLIDA DDAOLSWP DDAOLLIB	40 00 55 45 04 03 05 04 24	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE	45 1.75 0 5	1 \$ 126 \$ 1 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$ - \$ 5.000 \$	5 - 5 5 220.500 \$ 6 - 5	Chrgd Incorr - credit will be applied on January 45,00 Invoice -
DDAOLIDA DDAOLSWP	40 00 55 45 04 03	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT	45 1.75 0	1 \$ 126 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$	220.500 \$	Chrgd Incorr - credit will be applied on January 45,00 Invoice -
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC	40 00 55 45 04 03 05 04 24 40 02 10	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS	45 1.75 0 5	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 3 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$	5.000 S	Chrgd Incorr - credit will be applied on January 45.00 Invoice
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS	45 1.75 0 5 0	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 3 \$ 86123 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$	5.000 5 1,377.968	Chrgd Incorr - credit will be applied on January 45.00 Invoice
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT	45 1.75 0 5 0 0.016	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 3 \$ 86123 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$	5.000 \$ 1,377.968 \$	Chrgd Incorr - credit will be applied on January 45.00 Invoice 0.00 Rounding
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS	45 1.75 0 5 0 0.016	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 3 \$ 86123 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$	5.000 \$ 1,377.968 \$	Chrgd Incorr - credit will be applied on January 45.00 Invoice 0.00 Rounding
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLPDA	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT	45 1.75 0 5 0 0.016 0	1 \$ 126 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$	220.500 \$ 5.000 \$ 1,377.968 \$ 220.500 \$	Chrgd Incorr - credit will be applied on January 45.00 Invoice 0.00 Rounding
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLPDA DDAOLLBX	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52 05 04 00	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT KEYNAV RECEIVABLES BASE FEE	45 1.75 0 5 0 0.016 0 1.75	1 \$ 126 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$ 5.000 \$	220.500 \$ 5.000 \$ 1,377.968 \$ 220.500 \$ 5.000	Chrgd Incorr - credit will be applied on January 45.00 Invoice 0.00 Rounding
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLPDA	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT	45 1.75 0 5 0 0.016 0	1 \$ 126 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$	220.500 \$ 5.000 \$ 1,377.968 \$ 220.500 \$ 5.000	Chrgd Incorr - credit will be applied on January 45.00 Invoice 0.00 Rounding
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLPDA DDAOLLBX DDAOLRIR	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52 05 04 00 10 04 16	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT KEYNAV RECEIVABLES BASE FEE KEYNAV RETURN ITEM REPORT	45 1.75 0 5 0 0.016 0 1.75 5	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 1 \$ 86123 \$ 1 \$ 126 \$ 1 \$ 1 \$ 126 \$ 1 \$ 1 \$ 1 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$ 5.000 \$	220.500 \$ 5.000 \$ 1,377.968 \$ 220.500 \$ 5.000 \$ 5.000 \$	Chrgd Incorr - credit will be applied on January 45.00 Invoice  0.00 Rounding
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLPDA DDAOLBX DDAOLRIR DDAOL822	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52 05 04 00 10 04 16 01 04 47	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT KEYNAV RECEIVABLES BASE FEE KEYNAV RETURN ITEM REPORT KEYNAV RETURN ITEM REPORT	45 1.75 0 5 0 0.016 0 1.75 5 5	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 1 \$ 3 \$ 86123 \$ 1 \$ 126 \$ 1 \$ 1 \$ 1 \$	1,291.790 \$  45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$ 5.000 \$ 5.000 \$	220.500 5.000 5.000 5.000 5.000	Chrgd Incorr - credit will be applied on January 45.00 Invoice 0.00 Rounding
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLPDA DDAOLLBX DDAOLLBX DDAOLLBX DDAOLLBX DDAOLLBX DDAOLLSZ DDAOLSTP	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52 05 04 00 10 04 16 01 04 47 15 04 10	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT KEYNAV RECEIVABLES BASE FEE KEYNAV RETURN ITEM REPORT	45 1.75 0 5 0 0.016 0 1.75 5	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 3 \$ 86123 \$ 1 \$ 126 \$ 1 \$ 1 \$ 5 \$ 5 \$	1,291.790 \$  45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$ 5.000 \$ 5.000 \$ 1,2500 \$	220.500 \$ 5.000 \$ 1,377.968 \$ 220.500 \$ 5.000 \$ 5.000 \$ 1,2.500 \$	Chrgd Incorr - credit will be applied on January 45,00 Invoice
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLPDA DDAOLBX DDAOLRIR DDAOL822	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52 05 04 00 10 04 16 01 04 47	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT KEYNAV RECEIVABLES BASE FEE KEYNAV RETURN ITEM REPORT KEYNAV RETURN ITEM REPORT	45 1.75 0 5 0 0.016 0 1.75 5 5	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 3 \$ 86123 \$ 1 \$ 126 \$ 1 \$ 1 \$ 5 \$ 5 \$	1,291.790 \$  45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$ 5.000 \$ 5.000 \$	220.500 \$ 5.000 \$ 1,377.968 \$ 220.500 \$ 5.000 \$ 5.000 \$ 1,2.500 \$	Chrgd Incorr - credit will be applied on January 45,00 Invoice
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLEDI DDAOLLBX DDAOLLBX DDAOLLBX DDAOLLBX DDAOLSTP DDAOLWIR	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52 05 04 00 10 04 16 01 04 47 15 04 10 35 06 00	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT KEYNAV RECEIVABLES BASE FEE KEYNAV RETURN ITEM REPORT KEYNAV RETURN ITEM REPORT KEYNAV ROMEN 822 STATEMENT KEYNAV STOP PAYMENT ENTRY KEYNAV WIRE MAINTENANCE	45 1.75 0 5 0 0.016 0 1.75 5 5 0 2.5	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 3 \$ 86123 \$ 1 \$ 126 \$ 1 \$ 1 \$ 5 \$ 1 \$ 1 \$	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$ 5.000 \$ 5.000 \$ 1.2500 \$	220.500 S 5.000 S - 1,377.968 S 220.500 S 5.000 S - 1,2500 S 25.000 S	Chrgd Incorr - credit will be applied on January 45.00 Invoice
DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLEDI DDAOLEDI DDAOLLBX DDAOLLBX DDAOLLBX DDAOLSTP DDAOLWIR DDAOLWIR DDAOLWIR DDAOLWIR DDAOLWIR	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52 05 04 00 10 04 16 01 04 47 15 04 10 35 06 00 01 02 02	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV LBX IMAGE BASE FEE KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY REPORT KEYNAV RECEIVABLES BASE FEE KEYNAV RETURN ITEM REPORT KEYNAV ROMEN BEZESTATEMENT KEYNAV STOP PAYMENT ENTRY KEYNAV WIRE MAINTENANCE KEYNAV WIRE MAINTENANCE	45 1.75 0 5 0 0.016 0 1.75 5 5 0 2.5 25	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 3 \$ 86123 \$ 1 \$ 126 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$ 5.000 \$ 1,2500 \$ 5.000 \$ - \$ 25.000 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	220.500 S 5.000 S 220.500 S 220.500 S 5.000 S 5.000 S 5.000 S 5.000 S	Chrgd Incorr - credit will be applied on January 45.00 Invoice
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DDAOLIDA DDAOLSWP DDAOLLIB DDAOLACC DDAOLITM DDAOLEDI DDAOLPDA DDAOLB2 DDAOLSTP DDAOLSTP DDAOLSTP DDAOLB2 DDAOLSTP DDAOLLTA DDAMAINT	40 00 55 45 04 03 05 04 24 40 02 10 40 02 71 30 02 25 40 00 52 05 04 00 10 04 16 01 04 47 15 04 10 35 06 00 01 02 02 40 08 00 01 00 00	KEYNAV INTRADAY REPORT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV INVESTMENTS CONFIRM RPT KEYNAV ONLINE ACCESS KEYNAV PRE DAY DETAIL ITEMS KEYNAV PREVIOUS DAY EDI REPORT KEYNAV PREVIOUS DAY EDI REPORT KEYNAV RECEIVABLES BASE FEE KEYNAV RETURN ITEM REPORT KEYNAV STOP PAYMENT ENTRY KEYNAV STOP PAYMENT ENTRY KEYNAV WIRE MAINTENANCE KEYNAV WIRE MAINTENANCE KEYNAV ZBA REPORT LONG-TERM IMAGE ACCESS MAINTENANCE	45 1.75 0 5 0 0.016 0 1.75 5 5 0 2.5 25 0 0.5 10 10 10	80737 \$  1 \$ 126 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1	1,291.790 \$ 45.000 \$ 220.500 \$ 5.000 \$ 1,377.970 \$ 220.500 \$ 5.000 \$ 5.000 \$ 5.000 \$ 12.500 \$ 12.500 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$ 10.000 \$	220.500 S 5.000 S 5.000 S 5.000 S 5.000 S 5.000 S 6.000 S 6.00	Chrgd Incorr - credit will be applied on January 45.00 Invoice
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DODACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   O.25   S.274   S.200	with the same of t							
DODACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   O.025   28175   S. 0.50   S. 0.00   Rounding   DODACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   O.025   28175   S. 0.300   S. 0.00   Rounding   DODACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   O.025   DODACHCR1   D.025   DODACHCR1   D.025	A COUNTY OF STREET PARTY OF STREET							
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DOACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   O.025   2   2   0.000   \$   0.000	DDADPOTH	10 02 00	MISCELLANEOUS DEPOSIT TICKETS	0.55	8 \$	4.400	\$ 4.400	S
DDACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   0.025   12 \$ 0.300 \$ 0.300 \$	DDAEDIOR	30 00 00	MONTHLY EDI ORIGINATION FEE	5	2 \$	10.000	\$ 10.000	\$ -
DDACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   0.025   2 \$ 0.050 \$ 0.050 \$								\$ •
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DOACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   0.025   58274 \$ 1,456.850 \$ 1,456.850 \$ -	DDACHCR1	25 01 01	ORIG ACH CR VIA DIRECT SEND	0.025	28175 \$	704.380	\$ 704.375	\$ 0.00 Rounding
DOACHCR1   25 01 01   ORIG ACH CR VIA DIRECT SEND   O.025   2528 \$   63.200 \$   63.200 \$   5.	A STATE OF THE PARTY OF T		- CAPAC - CAPA				\$ 1,456.850	\$ -
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DOACHDR1   25 01 00   ORIG ACH DR VIA DIRECT SEND   0.025   203074 \$ 5,076.850 \$ 5,076.850 \$ -								
DOACHDR1   25 01 00   ORIG ACH DR VIA DIRECT SEND   0.025   128 \$   3.200 \$   3.200 \$   5.000								
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DOACHDR1   25 01 00   ORIG ACH DR VIA DIRECT SEND   0.025   2438 \$ 60.950 \$ 60.950 \$ - 0.000	DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	128 \$	3.200	\$ 3.200	\$
DOACHDR1   25 01 00   ORIG ACH DR VIA DIRECT SEND   0.025   3071 \$ 76.780 \$ 76.775 \$ 0.00   Rounding								\$
DOACHDR1   25 01 00   ORIG ACH DR VIA DIRECT SEND   0.025   1394 \$ 34.850 \$ 34.850 \$ -								
DODACHDR1   25 01 00   ORIG ACH DR VIA DIRECT SEND   0.025   881 \$ 22.030 \$ 22.025 \$ 0.01   Rounding								
DODACHDR1   25 01 00   ORIG ACH DR VIA DIRECT SEND   0.025   169 \$ 4.230 \$ 4.225 \$ 0.01   Rounding								
ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         9 \$         0.230 \$         0.225 \$         0.01 Rounding           ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         15 \$         0.380 \$         0.375 \$         0.01 Rounding           ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025 1 \$         0.030 \$         0.025 \$         0.01 Rounding           ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025 2010 \$         50.250 \$         50.250 \$         -           ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025 3 \$         0.080 \$         0.075 \$         0.01 Rounding	DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0,025			*	
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ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         15         \$         0.380         \$         0.375         \$         0.01         Rounding           ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0,025         1         \$         0.030         \$         0.025         \$         0.01         Rounding           ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         2010         \$         50.250         \$         50.250         \$         -           ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         3         \$         0.080         \$         0.075         \$         0.01         Rounding	DDACHDR1			0.025	9 \$	0.230	\$ 0.225	\$ 0.01 Rounding
ODACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         1         \$         0.030         \$         0.025         \$         0.01 Rounding           DDACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         2010         \$         50.250         \$         50.250         \$           DDACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         3         \$         0.080         \$         0.075         \$         0.01 Rounding							···	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
DDACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         2010 \$         50.250 \$         50.250 \$         -           DDACHDR1         25 01 00         ORIG ACH DR VIA DIRECT SEND         0.025         3 \$         0.080 \$         0.075 \$         0.01 Rounding								
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	DDACHDR1							
DACHCRS 25 01 01 ORIGINATED ACH CR VIA KEYNAV 0.025 18 \$ 0.450 \$ -	DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	3 \$	0.080		
	DDACHCR5	25 01 01	ORIGINATED ACH CR VIA KEYNAV	0.025	18 \$	0.450	\$ 0.450	\$

DDACHDR5	25 01 00	ORIGINATED ACH DB VIA KEYNAV	0.025	143 \$	3.580 S		
DDACHDR5 DDACHLFS	25 01 00 25 01 40	ORIGINATED ACH DB VIA KEYNAV ORIGINATED LATE FILE SURCHARGE	0.025 0.75	7 \$ 41 \$	30.750		
DDACHLFS	25 01 40	ORIGINATED LATE FILE SURCHARGE	0.75	4 5	3.000		
DDACHLES	25 01 40	ORIGINATED LATE FILE SURCHARGE	0.75	40 \$	30.000		
DDACHLFS	25 01 40	ORIGINATED LATE FILE SURCHARGE	0.75	1 \$	0.750	\$ 0.750	
DDAPOSPA	15 00 30	POSITIVE PAY MAINTÉNANCE	5	1 \$	5.000 \$		
DDAPOSPA	15 00 30	POSITIVE PAY MAINTENANCE	5	1 \$	5.000 \$		
DDAPOSP1	15 01 20	POSITIVE PAY PER ITEM	0.02	1 \$	0.020 \$ 24.560 \$		
DDAPOSP1	15 01 20 15 03 22	POSITIVE PAY PER ITEM POSPAY/ PYMT PROTECTION RETURN	0.02	1228 \$ 5 \$	24.560		
DDAOLRTN	99 99 99	PUBLIC RELOADABLE	0	1 \$	- 5		
DDAKCMTH	10 99 99	RDC MONTHLY FEE	28	28 \$	784.000		
DDAKCMTH	10 99 99	RDC MONTHLY FEE	28	1 \$	28.000		
DDAKCMTH	10 99 99	RDC MONTHLY FEE	28	59 \$	1,652.000 \$		
DDAKCRPT	10 99 99	RDC REPORTING MODULE	0	1 \$			
DDAKCSCN	10 02 1B	RDC SCANNED ITEM	0.01	20858 \$	208,580		
DDAKCSCN	10 02 1B 10 02 1B	RDC SCANNED ITEM	0.01	80 \$ 371 \$	0.800 \$ 3.710 \$		
DDAKCSET	10 99 99	RDC SCANNED ITEM RDC SETUP FEE	25	1 \$	25.000		
DDARBAS1	20 00 10	RECONCILIATION MAINTENANCE	10	1 \$	10.000		
DDARBAS1	20 00 10	RECONCILIATION MAINTENANCE	10	1 \$	10.000		
DDAARFL1	20 01 10	RECONCILIATION PER ITEM	0.02	1 \$	0.020	0.020	
DDAARFL1	20 01 10	RECONCILIATION PER ITEM	0.02	1228 \$	24.560 \$		
DDAREDEP	10 04 02	REDEPOSITED RETURNED	1.5	133 \$	199.500		
DDAOLRTA	10 04 16	RETURN ADVICE IMAGE INQUIRY	0	1 \$	17.500		
DDAOLAEC	10 04 16	RETURN ITEM IMAGE	0.5	35 \$	17.500 \$		
DDAOLAEC	25 07 01 25 07 01	RTN ACH CONVERTED DRAFT RPT RTN ACH RESUBMITED VIA ACH RPT	0	1 \$	- 3		
DDASTDPS	01 03 99	STATEMENT DUPLICATE COPY	10	1 \$	10.000 \$		
DDASTDPS	01 03 99	STATEMENT DUPLICATE COPY	10	1 \$	10.000 \$		
DDASTDPS	01 03 99	STATEMENT DUPLICATE COPY	10	1 \$	10.000 \$	10.000	
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	85 \$	42.500 \$		
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	1 \$	0.500 \$		
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	7 \$	3.500 \$		
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	1 \$	0.500 \$ 0.500 \$		
DDASDRET DDASDRET	25 03 02 25 03 02	UNAUTHORIZED ACH ITEM RETURN UNAUTHORIZED ACH ITEM RETURN	0.5	2 \$	1.000 \$		
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	1 \$	0.500 \$		
DDAODNCL	00 02 12	UNCOLLECTED FUND DIRECT CHARGE	0	0 \$	- \$		
DDAODNCL	00 02 12	UNCOLLECTED FUND DIRECT CHARGE	0	0 \$	- \$		<u> </u>
DDAODNCL	00 02 12	UNCOLLECTED FUND DIRECT CHARGE	0	0 \$	- \$	and some way and whole the property fields	
DDAVLTDP	10 01 00	VAULT DEPOSITED CASH	0.00109	385819.3 \$	420.540 \$		
DDAWIR19 DDAZBALD	35 04 11 01 00 99	WIRE MAIL ADVICE FOR INCOMING ZBA CONCENTRATION ACCOUNT	5 10	1 \$	5.000 \$ 10.000 \$		
DDAZBALD	01 00 99	ZBA CONCENTRATION ACCOUNT	10	1 \$	10.000 \$		
DDAZBALD	01 00 99	ZBA CONCENTRATION ACCOUNT	10	1 \$	10.000		
DDAZBALD	01 00 99	ZBA CONCENTRATION ACCOUNT	10	1 \$	10.000 \$	10.000	
DDAZBALD	01 00 99	ZBA CONCENTRATION ACCOUNT	10	1 \$	10,000 \$		
DDAZBALD	01 00 99	ZBA CONCENTRATION ACCOUNT	10	1 \$	10.000 \$		
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$		
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$		
DDAZBASB DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$ 4.000 \$		
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$		
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$		
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	
DDAZBAS8	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$		
DDAZBASB	01 00 99	ZDA FUDCIDIADY ACCOUNTS	4	1 \$	4.000 \$		
		ZBA SUBSIDIARY ACCOUNTS				4.000	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$		
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS ZBA SUBSIDIARY ACCOUNTS	4 4	1 \$	4.000 \$	4.000	
DDAZBASB DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS ZBA SUBSIDIARY ACCOUNTS ZBA SUBSIDIARY ACCOUNTS	4 4 4	1 \$ 1 \$	4.000 \$ 4.000 \$	4.000 \$	
DDAZBASB DDAZBASB DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS ZBA SUBSIDIARY ACCOUNTS	4 4	1 \$	4.000 \$	4.000 \$ 4.000 \$ 4.000 \$	
DDAZBASB DDAZBASB DDAZBASB DDAZBASB	01 00 99 01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS ZBA SUBSIDIARY ACCOUNTS ZBA SUBSIDIARY ACCOUNTS ZBA SUBSIDIARY ACCOUNTS	4 4 4	1 \$ 1 \$ 1 \$	4.000 \$ 4.000 \$ 4.000 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	
DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB	01 00 99 01 00 99 01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$	4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	
DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB	01 00 99 01 00 99 01 00 99 01 00 99 01 00 99 01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	4.000 \$ 4.000	
DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	
DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	4.000 \$ 4.000	
DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	
DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	
DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$	4.000 \$ 4.000	
DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$	4.000 \$ 4.000	
DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$	4.000 \$ 4.000	
DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4.000 \$ 4.000 \$	4.000 \$ 4.000	
DDAZBASB	01 00 99 01 00 99	ZBA SUBSIDIARY ACCOUNTS	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	4.000 \$ 4.000 \$	4.000 \$ 4.000	

DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ TE:
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 8.50
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 100
DDAZBASB	01 00 99	2BA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ (5)
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ (E)
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ •
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ •
DAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 
DAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$ 
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$
DAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1 \$	4.000 \$	4.000	\$

\$.27 rounding diff added to the calculated total \$45 incorr chrg - will be credited on the December statement, also added to the calculated total \$45 incorr chrg from October is credited on this statement.

Subtracted from the 45.27 calculated total

53,558.14 \$ 53,512.87 \$

Total

 Service Fee Total
 \$ 53,513.14

 Earnings Credit Allowance
 \$ 26,375.05

 Total
 \$ 27,138.09



# STATE BOARD OF DEPOSIT STATE OF OHIO

#### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

#### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent KeyBank trust banking fees for December 2018, are \$8,108.62.

Robert Cole Sprague	
SECRETARY LUMBER (ander)	
Flbruary 8, 2019	

# KeyBank On

STATE OF OH-REGULAR INVE 0900160 Services Provided for the Period:11/30/2018 - 12/31/2018

Fee Invoice

4900 Tiedeman Road Brooklyn, OH 44144

Revenue Administration OH-01-49-0353

30 EAST BROAD ST 10TH FLOOR COLUMBUS OH 43215-3414 TREASURER OF STATE ATN: FISCAL OFFICE

STATE OF OH-REGULAR INVE AGENT FOR

		0.00 45.308.37	0.00	15,308.37	Outstanding Balance from Prior Invoice
					Amount Due
		Fee Refunds Total	Disbursements	Service Charges	
			Expense		
				penses	Illvoice for Services and Expenses
Payment Due Date: 02/03/2019	Invoice Date: 01/04/2019	Billing Account Number: 0900160	Billing t	טטט	invoice helefelice No: 0001JRPSJ000
					Division Coffee No. Cook 1270

# How to Contact Us:

Please Pay this Amount

23,432.99

0.00

16.00

23,416.99

0.00

0.00

0.00 0.00

16.00 0.00

> 8,108.62 15,308.37

0.00

Less Fee Collections

Current Fees for Services and Expenses

15,308.37 8,124.62 0.00

216-370-4071 216-689-3675 THOR G HARALDSSON Relationship Manager

THOR\_G\_HARALDSSON@KEYBANK.COM

Invoice Return to KeyBank

שייייי טיייייי

PO 8ox /4543
Cleveland, Ohio 44194-4543

KeyBank Make check payable to:

> reference number on your check Please include account number and invoice





Revenue Administration OH-01-49-0353 4900 Tiedeman Road Brooklyn, OH 44144

Services Provided for the Period:11/30/2018 - 12/31/2018

STATE OF OH-REGULAR INVE 0900160

Fee Invoice

TREASURER OF STATE ATN: FISCAL OFFICE

STATE OF OH-REGULAR INVE AGENT FOR

30 EAST BROAD ST 10TH FLOOR COLUMBUS OH 43215-3414 Invoice Reference No: 0001JRPSJ000

Billing Account Number: 0900160

Invoice Date: 01/04/2019

Payment Due Date: 02/03/2019

1					
	hypion for Conjings and Eve				
	HIVOICE IOI SEIVICES AIID EXPE	Sesus			
for Fee Purposes		Condo Charasa	Expense	i i	
		Selvice Charles	Dispursements	Fee Ketunds	Total
4,121,529,050	Amount Due				
_	Outstanding Balance from Prior Invoice	15 308 37	0.00		10000
_			0.00	0.00	10,000.07
	Current Fees for Services and Expenses	8,124.62	0.00	16.00	8,108.62
1,802,636,550	Less Fee Collections	0.00	0.00	0.00	0.00
324,063,627	Please Pay this Amount	23,432.99	0.00	16.00	23 416 00
99.975.694					10,710.00
9,267,312,713					
	1,000	Invoice for Services and  Amount Due  Outstanding Balance from Prior Invoice Current Fees for Services and Expens Less Fee Collections  Please Pay this Amount	Invoice for Services and Expenses  Service Characteristics and Expenses  Amount Due  Outstanding Balance from Prior Invoice Current Fees for Services and Expenses  Less Fee Collections  Please Pay this Amount  23,43	Invoice for Services and Expenses  Expe Service Charges Disbursem  Outstanding Balance from Prior Invoice Current Fees for Services and Expenses Less Fee Collections Please Pay this Amount 23,432.99	Invoice for Services and Expenses  Service Charges  Disbursements  Fee Refunds  Amount Due  Outstanding Balance from Prior Invoice Current Fees for Services and Expenses  Less Fee Collections  Please Pay this Amount  23,432.99  0.00  16.00  16.00

# How to Contact Us:

THOR_G_HARALDSSON@KEYBANK.COM	216-370-4071	216-689-3675	THOR G HARALDSSON	Relationship Manager
K.COM		10		

KeyBank Revenue Administration PO Box 74543 Cleveland, Ohio 44194-4543 Make check payable to:

> Please include account number and invoice reference number on your check











Fee Invoice STATE OF OH-REGULAR INVE 0900160 Services Provided for the Period:11/30/2018 - 12/31/2018

# Invoice for Service and Expenses

Invoice Reference No: 0001JRPSJ000	Billing Account Number: 0900160	Invoice Date: 01/04/2019	Payment Due Date: 02/03/2019	/03/2019
Summary of Current Charges and Expenses	nd Expenses		Base Currency: USD	ency: USD
Summary by Type				
Too			Expense	
ree type pescription	Quantity	Service Charges D	Disbursements	Total
Account Maintenance	9,267,312,713		0.00	7,336.62
Depository Eligible Trades - \$4	143	572,00	0.00	572.00
Depository mengine r rades - \$12	100	216.00	0.00	216.00
Total Current Charges and Expenses				

Total Current Charges and Expenses Depository Ineligible Trades - \$12

8,124.62

0.00

8,124.62





Fee Invoice STATE OF OH-REGULAR INVE 0900160 Services Provided for the Period:11/30/2018 - 12/31/2018

# Invoice for Service and Expenses

8,124.62	0.00	8,124.62	ione out our draites and Exhelises
3,986.88 712.37 1,634.59 1,451.09 260.55 79.14	0.00 0.00 0.00 0.00 0.00 0.00	3,986.88 712.37 1,634.59 1,451.09 260.55 79,14	0900160.1 STATE OF OH-REGULAR INVEST-REG PRI USD 0900160.2 STATE OF OH-REGULAR INVEST CORP PRI USD 0900160.4 STATE OF OH-REGULAR CORE PRI USD 0900160.5 STATE OF OHIO-REGULAR INVT-TRES PRI USD 0900160.6 STATE OF OH-STRUCTURED INVT MISC PRI USD 0900160.8 STATE OF OH-OLC MEGA MILLIONS PRI USD
	Expense	Service Charges	Portfolio Number Name of Portfolio
			Summary by Account/Portfolio Detail
Base Currency: USD			Summary of Current Charges and Expenses
Payment Due Date: 02/03/2019		Invoice Date: 01/04/2019	Invoice Reference No: 0001JRPSJ000 Billing Account Number: 0900160



KeyBank On.

Fee Invoice STATE OF OH-REGULAR INVE 0900160 Services Provided for the Period:11/30/2018 - 12/31/2018

# Invoice for Service and Expenses

Base Currency: USD		and Expenses	Summary of Current Charges and Expenses
Payment Due Date: 02/03/2019	Invoice Date: 01/04/2019	Billing Account Number: 0900160	Invoice Reference No: 0001JRPSJ000

allillary of our efficiency and Expenses

Allocation	Allocation of Fee to Portfolios			
Portfolio Number	Name of Portfolio	Quantity	Percent of Total	Fee for the Period
0900160.1	0900160.1 STATE OF OH-REGULAR INVEST-REG PRI USD	4,121,529,050	44,47%	3,262,88
0900160.2	STATE OF OH-REGULAR INVEST CORP PRI USD	884,676,000	9.55%	700.37
0900160.4	STATE OF OH-REGULAR CORE PRI USD	2,034,431,792	21.95%	1,610.59
0900160.5	STATE OF OHIO-REGULAR INVT-TRES PRI USD	1,802,636,550	19.45%	1,427.09
0900160.6	STATE OF OH-STRUCTURED INVT MISC PRI USD	324,063,627	3.50%	256.55
0900160.8	STATE OF OH-OLC MEGA MILLIONS PRI USD	99,975,694	1.08%	79.14
Total Fee fo	Total Fee for the Period	9,267,312,713 100.00%	100.00%	7,336.62

		Fee Period:	11/30/2018	11/30/2018 to 12/31/2018
	Fee Calculations			
Fee eriod	Rate	Charge Breakpoint	Quantity	Estimated Annual Fee
2.88	0.0000095	1,000	1,000	0.01
0.37	0.0000095	0	9,267,311,713	88,039.46
0.59	Total	1,000	9,267,312,713	88,039.47
7.09	Total Fee for the Period			7,336.62
9.14				
36.62				

572,00	143 100.00%	143	r the Period	lotal Fee for the Period
4.00	0.70%		USU STATE OF OH-STRUCTURED INVI MISC PRI USD	0,001,00.0
24.00	4.20%	ග	STATE OF OHIO-REGULAR INVI-TRES PRI USD	0.001.0080
24.00	4.20%	6	STATE OF OH-REGULAR CORE PRI USD	
12,00	2.10%	ω	STATE OF OH-REGULAR INVEST CORP PRI USD	
508.00	88.81%	127	STATE OF OH-REGULAR INVEST-REG PRI USD	
Fee for the Period	Percent of Total	Quantity	Name of Portfolio	1
	.(#X		Allocation of Fee to Portfolios	Allocation
		×	Depository Eligible Trades - \$4	Depository

Charge Estimated Rate Breakpoint Quantity Annual Fee
4 0 143 57
Total 0 143 572.00

Fee Period:

11/30/2018 to 12/31/2018

Fee Invoice STATE OF OH-REGULAR INVE 0900160 Services Provided for the Period:11/30/2018 - 12/31/2018

23,416.99							ntal	Invoice Total
8,108.62							Total Current Charges and Expenses	Total Curre
216.00			Total Fee for the Period				1	
216.00	18	0	Total	216,00	18 100.00%	18	Total Fee for the Period	Total Fee fo
216.00	18	0	12	216.00	100.00%	18	0900160.1 STATE OF OH-REGULAR INVEST-REG PRI USD	0900160.1
Estimated Annual Fee	Quantity	Charge Breakpoint	Rate	Fee for the Period	Percent of Total	Quantity	Name of Portfolio	Portfolio Number
			Fee Calculations	4		G	Allocation of Fee to Portfolios	Allocation
11/30/2018 to 12/31/2018	11/30/2018 t	Fee Period:					Depository Ineligible Trades - \$12	Depository
Base Currency: USD	Base C					xpenses	Summary of Current Charges and Expenses	Summa
02/03/2019	Payment Due Date: 02/03/2019	/04/2019	Invoice Date: 01/04/2019	900160	nt Number: 0	Billing Account Number: 0900160	Invoice Reference No: 0001JRPSJ000	Invoice Ref



# STATE BOARD OF DEPOSIT STATE OF OHIO

#### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

#### CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent KeyBank banking fees [Warrant Settlement] for the month of December 2018, are \$4,059.70.

Robert Cole Smagne	
Stacy Sumber Cander	
Flbruary 8, 2019	

TREASURER OF STATE - OHIO FBO KEY BANK WARRANT SETTLEMENT 30 E BROAD STREET

COLUMBUS OH 43215-3414

DATE: JANUARY 11, 2019 OFFICER: OFFICER LXM3B ANALYSIS PERIOD: DECEMBER 2018 KEY ACCOUNT: 149681006396

#### ACCOUNT ANALYSIS INVOICE

OUTSTANDING		PAYMENT		INVOICE	INVOICE
INVOICE BALANCE	ADJUSTMENTS	MENT DATE	PAYMENT	DATE	NUMBER
.00		06.41 12-18-18	4,706.41	10-11-18	18090001206
5,207.30				11-11-18	18100000927
5,344.09				12-11-18	18110000917
4,059.70				01-11-19	18120002488
19,317.50	NCES:	G INVOICE BALA	OUTSTANDING IN	TOTAL C	
4,706.41		NTS RECEIVED:	TAL PAYMENTS I	LESS TO	
14,611.09		:	AMOUNT DUE:	TOTAL A	

- \*\* PLEASE MAKE TIMELY PAYMENTS ON YOUR ANALYSIS INVOICE. INVOICES WHICH ARE 90 \*\*

  \*\* DAYS PAST DUE WILL BE DIRECT DEBITED FROM YOUR DDA ACCOUNT AND WILL INCUR A \$30 \*\*

  \*\* PAST DUE SURCHARGE. PLEASE CONTACT OUR COMMERCIAL CLIENT SERVICE CENTER, YOUR \*\*
- \*\* CASH MANAGEMENT SALES OFFICER, OR RELATIONSHIP MANAGER WITH ANY QUESTIONS.

PAST DUE AGING:

31 DAYS AND OVER \$10,551.39

TREASURER OF STATE - OHIO	TOTAL AMOUNT DUE	14,611.09
ACCOUNT NUMBER: 149681006396	AMOUNT ENCLOSED:	
MAIL PAYMENT TO:	APPLY TO THE FOLLOWING INVOICE NBR INVOICE AM	
KEYBANK NATIONAL ASSOCIATION	18100000927 5,207.30	
ATTN: DEPARTMENT AA 0101	18110000917 5,344.09	
P O BOX 901626	18120002488 4,059.70	)
CLEVELAND, OHIO 44190-1626		-

RETURN THIS PORTION WITH YOUR REMITTANCE

\*TREASURER OF STATE OF OHIO 30 EAST BROAD STREET 10TH FLOOR ATTN ACCOUNTING/RECONCILIATION COLUMBUS OH 43215-3414

Relationship Overview: \*TREASURER OF STATE OF OHIO

Balance Summary	
Average Ledger Balance	(\$12,088.44)
LESS: Average Float	(\$0.00)
Average Collected Balance	(\$12,088.44)
Average Negative Collected Balance	(\$17,321.23)
Average Positive Collected Balance	\$5,232.79
Balance Available to Support Services	\$5,232.79
LESS: Balance Needed To Support Services	(\$1,710,952.44)
Balance Deficiency/Surplus for Eligible Services	(\$1,705,719.65)

Billing Information	
Settlement Cycle	Monthly
Payment Method	Invoice
Billing Account	XXXXXXXX6396
Days in the Month	31

Service Charge Summary	
Service Charges Eligible for Earnings Credit	\$4,072.15
LESS: Earnings Credit Allowance	(\$12.45)
Service Charges Due	\$4,059.70/

An invoice will be distributed on approximately the 15th business day of the month.

Trend A	nalysis ^							
Months	Average Ledger Balance	Average Collected Balance	Balance Available to Support Services	Balance Needed to Support Services	Service Charges Eligible for Earnings Credit	Eamings Credit Allowance	Direct Service Charges	Service Charges Due
DEC	(\$12,088)	(\$12,088)	\$5,233	\$1,710,952	\$4,072	\$12	\$0	\$4,060
NOV	\$2,563	\$2,563	\$2,563	\$2,420,655	\$5,350	\$6	\$0	\$5,344
OCT	(\$458,132)	(\$458,132)	\$704,274	\$3,148,990	\$6,707	\$1,500	\$0	\$5,207
SEP	(\$191,604)	(\$191,604)	\$3,061	\$2,416,595	\$4,712	\$6	\$0	\$4,706
AUG	\$7,479	\$7,479	\$7,479	\$3,703,662	\$7,296	\$15	\$0	\$7,282
JUL	\$2,563	\$2,563	\$2,563	\$5,712,118	\$11,310	\$5	\$0	\$11,305
JUN	\$2,563	\$2,563	\$2,563	\$4,756,524	\$9,133	\$5	\$0	\$9,128
MAY	\$2,563	\$2,563	\$2,563	\$6,626,298	\$13,054	\$5	\$0	\$13,049
APR	\$2,563	\$2,563	\$2,563	\$8,229,592	\$15,966	\$5	\$0	\$15,961
MAR	(\$450,710)	(\$450,710)	\$2,232	\$6,914,739	\$13,415	\$4	\$0	\$13,410
FEB	(\$270,666)	(\$270,666)	\$2,471	\$5,795,452	\$8,693	\$4	\$0	\$8,690
JAN	\$2,563	\$2,563	\$2,563	\$3,210,811	\$4,784	\$4	\$0	\$4,780
YTD	(\$113,362)	(\$113,362)	\$61,677	\$4,553,866	\$104,492	\$1,571	\$0	\$102,921

Please contact your Account Officer or the Commercial Business Banking Center at 1-800-821-2829 with questions.

Account Officer: Lara Deleone

Center: 3080035 SO 6057-0101-28335386-N- 1

Relationship Overview: \*TREASURER OF STATE OF OHIO

<sup>^</sup> All numbers in this section are rounded to the nearest whole dollar

**Relationship Summary** 

Relationship Overview: \*TREASURER OF STATE OF OHIO

Accounts in Relationship: 1

Accounts Analyzed ^									
Account Number	Account Name	Earnings Credit Rate	Balance Needed to Support Services	Balance Available to Support Services	Service Charges Eligible for Eamings Credit	Direct Service Charges	Eamings Credi Allowance		
149681006396	*TREASURER OF STATE - OHIO	2.81%	\$1,710,952	\$5,233	\$4,072	\$0	\$12		
	Total		\$1,710,952	\$5,233	\$4,072	\$0	\$12		

<sup>^</sup> All numbers in this section are rounded to the nearest whole dollar

<sup>\*</sup> Notes the billing account for the relationship

Service Act	tivity Summary	
Service	nonce for supplied the second	Total Service
Codes	Services	Charges
AFP00	Balance & Compensation Information	\$0.00
AFP01	General Account Services	\$0.00
AFP25	General ACH Services	\$0.00
AFP99	Undefined Services	\$4,072.15
	Total	\$4,072.15

Service A	ctivity Details				
Service Codes	Services	Quantity	Unit Price	Total Service Charges	Balance Needed To Support Services
00 00 02 30	Balance & Compensation Information Deposit Assessment AFP00 TOTAL			\$0.00 \$0.00	\$0.00 \$0.00
01 01 00 00 01 04 40	General Account Services Maintenance Electronic Analysis Statement AFP01 TOTAL	1	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00
25 25 10 52	General ACH Services EPA Admin Fee/Month AFP25 TOTAL	1	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00
99 99 99 99	Undefined Services Warrant Images Delivered AFP99 TOTAL	116,347	\$0.035	\$4,072.15 \$4,072.15	\$1,710,952.44 \$1,710,952.44
	Total			\$4,072.15	\$1,710,952.44

**Account Detail** 

AA

Account Name: TREASURER OF STATE - OHIO , FBO KEY BANK WARRANT

SETTLEMENT

Account Number: 149681006396

Balance Summary	
Average Ledger Balance	(\$12,088.44)
LESS: Average Float	(\$0.00)
Average Collected Balance	(\$12,088.44)
Average Negative Collected Balance	(\$17,321.23)
Average Positive Collected Balance	\$5,232.79
Balance Available to Support Services	\$5,232.79

Service Charge Summary	
Service Charges Eligible for Earnings Credit	\$4,072.15
Earnings Credit Allowance	(\$12.45)
Service Charges Due	\$4,059.70

Rate and Other Information					
Earnings Credit Rate	2.81 %				
Service Charge Multiplier	\$420.16				
Earnings Credit Rate Service Charge Multiplier Uncollected Funds Rate	0.00%				

Service A	Activity Details				
Service Codes	Services	Quantity	Unit Price	Total Service Charges	Balance Needed To Support Services
00	Balance & Compensation Information				
00 02 30	Deposit Assessment			\$0.00	\$0.00
	AFP00 TOTAL			\$0.00	\$0.00
01	General Account Services				
01 00 00	Maintenance	1	\$0.00	\$0.00	\$0.00
01 04 40	Electronic Analysis Statement	1	\$0.00	\$0.00	\$0.00
	AFP01 TOTAL			\$0.00	\$0.00
25	General ACH Services				
25 10 52	EPA Admin Fee/Month	1	\$0.00	\$0.00	\$0.00
	AFP25 TOTAL		•	\$0.00	\$0.00
99	Undefined Services				
99 99 99	Warrant Images Delivered	116.347	\$0.035	\$4,072.15	\$1,710,952.44
	AFP99 TOTAL	•		\$4,072.15	\$1,710,952.44
	Total			\$4,072.15	\$1,710,952.44

Key Bank Account Analysis Verification - December 2018

Date	Key Bank File	Daily Reports	Difference
12/3/18	7,309	7,309	=
12/4/18	8,501	8,501	=
12/5/18	5,635	5,635	÷
12/6/18	3,551	3,551	
12/7/18	5,886	5,886	<u> </u>
12/10/18	11,107	11,107	-
12/11/18	8,312	8,312	뀰
12/12/18	6,025	6,025	9
12/13/18	4,316	4,316	=
12/14/18	3,753	3,753	=
12/17/18	5,320	5,320	<del>-</del>
12/18/18	6,235	6,235	=
12/19/18	4,920	4,920	<u> </u>
12/20/18	3,736	3,736	₹
12/21/18	4,279	4,279	=
12/24/18	7,794	7,794	12
12/26/18	4,393	4,393	11.75
12/27/18	4,878	4,878	7 <del>0</del>
12/28/18	4,481	4,481	32
12/31/18	5,916	5,916	( <del>S</del>
	116,347	116,347	2

#### Board of Deposit KeyBank State Regular Account 6396 - December 2018

				VEADULIV	Trace McBaini Mc	COUITY !	DECERTIFIE	444	2020		
Bank Code	Service Code	Description	Unit	Price	Total Units	Total	Amount	Lis	st Price	Variance	Comments
DDAWARIM	99 99 99	WARRANT IMAGES DELIVERED	\$	0.035	116,347	\$	4,072.15	\$	4,072.15	\$ .	
											Amounts taken from KTT analysis statement-not generated from 822 file. Fees verified with the BSA fee schedule. Quanity verified with Acctg Dept
		Total				\$	4,072.15	\$	4,072.15	\$ .	analysis.

Service Fee Total	\$	4,072.15
Earnings Credit Allowance	\$	12.45
Total	۲.	4 059 70



# STATE BOARD OF DEPOSIT STATE OF OHIO

#### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

## CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent PNC banking fees [Dept. of Natural Resources – Mine Subsidence] for the month of December 2018, are \$771.67.

Mohnt Coll Smague
Statey Lumber Parder
,
Flbruary 8, 2019

PNC BANK, N.A. P.O. BOX 821523 PHILADELPHIA, PA 19182-1523

## **PNCBANK**

STATE OF OHIO
ODNR MINE SUBSTANCE INS FUND
ATTN TREASURY SERVICES
30 E BROAD ST FL 10
COLUMBUS OH 43215

Invoice Date	1-10-19
Invoice Number	1218718431
Customer Number	0001629970
Cost Center	070-0005063
New Balance	3,127.30

#### ACCOUNT ANALYSIS SERVICE CHARCE

DATE	DESCRIPTION	AMOUNT
12-12-18 01-10-19	PREVIOUS BALANCE CHARGE FOR SERVICES	2,355.63 771.67
	PAY THIS AMOUNT	3,127.30

## Payment is due upon receipt of this invoice

You may pay this amount electronically via the ACH by sending your payment including both invoice number and customer number to Account Number 9087878 at PNC Bank, N.A. transit routing number of 043000096.

## 📕 Please Return the Portion Below With Your Payment 📕

### Remittance Instructions:

- 1. Please return this portion of the invoice with your remittance.
- 2. REMIT TO:

PNC BANK, N.A. P.O. BOX 821523 PHILADELPHIA, PA 19182-1523

Involce Date	1-10-19
Involce Number	1218718431
Customer Number	0001629970
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New Balance	3,127.30

**PNCBANK** 

### ACCOUNT ANALYSIS SERVICE CHARGE

DATE	DESCRIPTION	AMOUNT
12-12-18 01-10-19	PREVIOUS BALANCE CHARGE FOR SERVICES	2,355.63 771.67
	PAY THIS AMOUNT	3,127.30

PNC BANK, N.A.
P.O. BOX 821523
PHILADELPHIA, PA 19182-1523

## **PNCBANK**

STATE OF OHIO
ODNR MINE SUBSTANCE INS FUND
ATTN TREASURY SERVICES
30 E BROAD ST FL 10
COLUMBUS OH 43215

Invoice Date	1-10-19
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**PNCBANK** 

#### ACCOUNT ANALYSIS SERVICE CHARGE

DATE	DESCRIPTION	AMOUNT
12-12-18 01-10-19	PREVIOUS BALANCE CHARGE FOR SERVICES	2,355.63 771.67
	PAY THIS AMOUNT	3,127.30



Page 1 of 6

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#### ACCOUNT ANALYSIS STATEMENT

CLIENT NAME & ADDRESS

STATE OF OHIO
ODNR MINE SUBSTANCE INS FUND
ATTN TREASURY SERVICES
30 E BROAD ST FL 10
COLUMBUS OH 43215

ACCOUNT INFORMATION

ACCOUNT 0001629970 SUMMARY

TREASURY JENNIFER A JAMES

OFFICER (614) 463-7335

CLIENT TMCC@pnc.com

SERVICES 1-800-669-1518

12/01/2018 to 12/31/2018	
STATEMENT DATE	
JANUARY 10, 2019	

ANALYSIS PERIOD

#### ACCOUNTS INCLUDED IN THIS ANALYSIS

BANK NUMBER	ACCOUNT NUMBER	ACCOUNT NAME	ACCOUNT TITLE
070	4006903911	STATE OF OHIO ODNR MINE	MINE SUBSIDENCE INSURANCE FUND

PLEASE REVIEW YOUR ANALYSIS PROMPTLY, WE WILL GLADLY CORRECT ERRORS WITHIN 30 DAYS OF THE STATEMENT DATE, AFTER 30 DAYS, THE ANALYSIS IS DEEMED TO BE ACCURATE AND ADJUSTMENTS WILL NO LONGER BE PROCESSED.

GO PAPERLESS. SIGN-UP TODAY FOR FREE ONLINE CORPORATE ACCOUNT ANALYSIS STATEMENTS THAT YOU CAN ACCESS VIA PINACLE. ONLINE STATEMENTS CAN BE VIEWED SEVERAL DAYS EARLIER THAN IF THEY ARE SENT BY MAIL - WHICH IS GOOD NEWS FOR YOU AND THE ENVIRONMENT. ENROLL TODAY. FOR MORE INFORMATION, CALL TREASURY MANAGEMENT CLIENT CARE AT 1-800-669-1518 OR CONTACT YOUR TREASURY MANAGEMENT OFFICER OR SALES ASSOCIATE.



Page 2 of 6

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#### ACCOUNT ANALYSIS STATEMENT

CLIENT NAME & ADDRESS

STATE OF OHIO
ODNR MINE SUBSTANCE INS FUND
ATTN TREASURY SERVICES
30 E BROAD ST FL 10
COLUMBUS OH 43215

ACCOUNT INFORMATION

ACCOUNT 0001629970 SUMMARY
TREASURY JENNIFER A JAMES
OFFICER (614) 463-7335
CLIENT TMCC@pnc.com
SERVICES 1-800-669-1518
BILLING CYCLE MONTHLY

ANALYSIS PERIOD 12/01/2018 to 12/31/2018

STATEMENT DATE

JANUARY 10, 2019

CURRENT MONTHLY BALANCE & COMPENSATION			
AVERAGE LEDGER BALANCE	47,735,64	EARNINGS ALLOWANCE (1,000 %) TOTAL ANALYZED CHARGES	40.52 812.19
LESS: DEPOSIT FLOAT	25.58	EXCESS/(DEFICIT) FEES	771,67-
AVERAGE COLLECTED BALANCE	47,710.06	TOTAL AMOUNT DUE	771.67 (INVOICE)
LESS: RESERVES( 0.00%)	0,00		
INVESTABLE BALANCE	47,710 06		
COLLECTED BALANCE REQUIRED	956,288,75		
EXCESS/(DEFICIT) BALANCE	908,578,69-		

EARNINGS CREDIT RATE IS TIERED. THE HIGHEST TIER EARNINGS CREDIT RATE FOR NEXT MONTH IS: 1,000000 %

\$1177,42 IN COLLECTED BALANCE WILL PAY FOR \$1,00 IN SERVICES, BASED UPON THIS MONTH'S TIERED EARNINGS CREDIT RATE.

PAYMENT FOR THE ABOVE NOTED DEFICIENCY AMOUNT IS EXPECTED PROMPTLY UPON RECEIPT OF THE INVOICE.

SERVICE DESCRIPTION	AF	P CO	DE	VOLUME	UNIT PRICE	TOTAL PRICE	COLLECTED BALANCE REQUIRED
DEMAND DEPOSIT RELATED SERVICES							
ACCOUNT MAINTENANCE	01	00	00	1	5,0000	5,00	5,887,10
						\$5.00	\$5,887.10
REMOTE DEPOSIT RELATED SERVICES							
REMOTE DEPOSIT CAPTURE-TICKETS	01	02	00	1	0.5000	0.50	588.71
REMOTE DEPOSIT CHECK IMAGES	10	02	18	3	0.0300	0.09	105,97
					74	\$0,59	\$694,68
AUTOMATED CLEARINGHOUSE SERVICES							
ACH MONTHLY MAINTENANCE FEE	25	00	00	1	10,0000	10,00	11,774.20
ACH DEBIT/CREDIT BLOCK	25	10	52	1	5.0000	5.00	5,887.10
						\$15,00	\$17,661.30
UNDS TRANSFER SERVICES	ľ						
FILE INITIATED DOMESTIC TRANSFER	35	01	09	6	7,2500	43.50	51,217.77
INCOMING WIRE TRANSFER	35	03	00	4	3,0000	12.00	14,129.04
						\$55.50	\$65,346.81
NFORMATION SERVICES							
PREVIOUS DAY ACCOUNT	40	02	22	26	2,5000	65.00	76,532,30
PINACLE TRANSMISSION MONTHLY FEE	40	01	10	1	100.0000	100.00	117,742.00
PREVIOUS DAY DETAIL BAI	40	99	99	3,830	0.0500	191.50	225,475,93
PINACLE MODULE FEES	40	99	99	1	10.0000	10,00	11,774.20
						\$366,50	\$431,524.43



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Page 3 of 6

#### ACCOUNT ANALYSIS STATEMENT

CLIENT NAME & ADDRESS

STATE OF OHIO

ODNR MINE SUBSTANCE INS FUND

ATTN TREASURY SERVICES

30 E BROAD ST FL 10

COLUMBUS OH 43215

ACCOUNT INFORMATION

ACCOUNT 0001629970 SUMMARY
TREASURY JENNIFER A JAMES
OFFICER (614) 463-7335
CLIENT TMCC@pnc.com
SERVICES 1-800-669-1518
BILLING CYCLE MONTHLY

STATEMENT DATE

JANUARY 10, 2019

SERVICE DESCRIPTION	AFP CODE	VOLUME	UNIT PRICE	TOTAL PRICE	COLLECTED BALANCE REQUIRED
ELECTRONIC DATA INTERCHANGE ORIG DATA TRANSMISSION WIRE ORIGINATED PAYMENTS EDI DISBURSEMENT MONTHLY MAINT	30 01 02 30 01 12 30 00 20	20 80 1	15.0000 0.1200 60.0000	300.00 9.60 60.00 \$369.60	353,226.00 11,303.23 70,645.20 \$435,174.43
TOTAL ANALYZED CHARGES :				\$812-19	\$956,288 75



Page 4 of 6

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#### ACCOUNT ANALYSIS STATEMENT

CLIENT NAME & ADDRESS

STATE OF OHIO ODNR MINE
MINE SUBSIDENCE INSURANCE FUND
C/O THE TREASURER OF STATE
RECONCILIATION DEPT
30 E BROAD ST FL 10
COLUMBUS
OH 43215-3414

ACCOUNT INFORMATION

ACCOUNT 4006903911

TREASURY JENNIFER A JAMES

OFFICER (614) 463-7335

CLIENT TMCC@pnc.com

SERVICES 1-800-669-1518

BILLING CYCLE MONTHLY

ANALYSIS PERIOD	
12/01/2018 to 12/31/2018	
STATEMENT DATE	

JANUARY 10, 2019

CURRENT MONTHLY BALANCE & COMPENSATION					
AVERAGE LEDGER BALANCE	47,735.64	EARNINGS ALLOWANCE (1.000 %) TOTAL ANALYZED CHARGES	40,52 812,19		
LESS: DEPOSIT FLOAT	25,58	EXCESS/(DEFICIT) FEES	771.67-		
		(TRANSFERRED	TO: 0001629970		
AVERAGE COLLECTED BALANCE	47,710.06		stell .		
LESS: RESERVES( 0.00%)	0,00		1105/19		
INVESTABLE BALANCE	47,710,06		11/201		
COLLECTED BALANCE REQUIRED	956,288,75				
EXCESS/(DEFICIT) BALANCE	908,578 69-				

EARNINGS CREDIT RATE IS TIERED. THE HIGHEST TIER EARNINGS CREDIT RATE FOR NEXT MONTH IS: 1,000000 %

\$1177.42 IN COLLECTED BALANCE WILL PAY FOR \$1.00 IN SERVICES, BASED UPON THIS MONTH'S TIERED EARNINGS CREDIT RATE.

SERVICE DESCRIPTION	AF	o co	DE	VOLUME	UNIT PRICE	TOTAL PRICE	COLLECTED BALANCE REQUIRED
DEMAND DEPOSIT RELATED SERVICES	1						
ACCOUNT MAINTENANCE	01	00	00	1	5,0000	5.00	5,887,10
						\$5.00	\$5,887.10
REMOTE DEPOSIT RELATED SERVICES							1
REMOTE DEPOSIT CAPTURE-TICKETS	01	02	00	1	0.5000	0.50	588.71
REMOTE DEPOSIT CHECK IMAGES	10	02	18	3	0.0300	0.09	105.97
						\$0.59	\$694.68
AUTOMATED CLEARINGHOUSE SERVICES							
ACH MONTHLY MAINTENANCE FEE	25	00	00	1	10.0000	10.00	11,774.20
ACH DEBIT/CREDIT BLOCK	25	10	52	1	5.0000	5.00	5,887.10
						\$15.00	\$17,661.30
UNDS TRANSFER SERVICES							
FILE INITIATED DOMESTIC TRANSFER	35	01	09	6	7.2500	43.50	51,217.77
INCOMING WIRE TRANSFER	35	03	00	4	3.0000	12.00	14,129.04
						\$55.50	\$65,346,81
NFORMATION SERVICES							1
PREVIOUS DAY ACCOUNT	40	02	22	26	2.5000	65.00	76,532.30
PINACLE TRANSMISSION MONTHLY FEE	40	01	10	1	100.0000	100.00	117,742.00
PREVIOUS DAY DETAIL BAI	40	99	99	3,830	0.0500	191.50	225,475.93
PINACLE MODULE FEES	40	99	99	1	10.0000	10.00	11,774.20
						\$366,50	\$431,524.43
LECTRONIC DATA INTERCHANGE							
ORIG DATA TRANSMISSION	30	01	02	20	15.0000	300.00	353,226.00



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Page 5 of 6

#### ACCOUNT ANALYSIS STATEMENT

CLIENT NAME & ADDRESS STATE OF OHIO ODNR MINE
MINE SUBSIDENCE INSURANCE FUND
C/O THE TREASURER OF STATE
RECONCILIATION DEPT
30 E BROAD ST FL 10
COLUMBUS
OH 43215-3414

ACCOUNT INFORMATION

ACCOUNT TREASURY OFFICER CLIENT

SERVICES BILLING CYCLE

4006903911 JENNIFER A JAMES (614) 463-7335 TMCC@pnc.com 1-800-669-1518

MONTHLY

ANALYSIS PERIOD

12/01/2018 to 12/31/2018

STATEMENT DATE

JANUARY 10, 2019

SERVICE DESCRIPTION	AFP CODE	VOLUME	UNIT PRICE	TOTAL PRICE	COLLECTED BALANCE REQUIRED
WRE ORIGINATED PAYMENTS EDI DISBURSEMENT MONTHLY MAINT	30 01 12 30 00 20	80	0.1200 60.0000	9,60 60,00 \$369,60	11,303,23 70,645,20 \$435,174,43
TOTAL ANALYZED CHARGES :				\$812,19	\$956,288.75



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Page 6 of 6

#### ACCOUNT ANALYSIS STATEMENT

CLIENT NAME & ADDRESS

STATE OF OHIO
ODNR MINE SUBSTANCE INS FUND
ATTN TREASURY SERVICES
30 E BROAD ST FL 10
COLUMBUS OH 43215

ACCOUNT INFORMATION

MONTHLY

ACCOUNT TREASURY OFFICER CLIENT

SERVICES

BILLING CYCLE

0001629970 SUMMARY JENNIFER A JAMES (614) 463-7335 TMCC@pnc.com 1-800-669-1518 ANALYSIS PERIOD

12/01/2018 to 12/31/2018

STATEMENT DATE

JANUARY 10, 2019

#### YEAR-TO-DATE RELATIONSHIP SUMMARY

	ADJUSTED	ADJUSTED	EARNINGS	TOTAL	COLLECTED		
	AVERAGE	COLLECTED	CREDIT	ACTIVITY	BALANCE	EXCESS/(DEFICIT)	EXCESS/(DEFICIT)
MONTH	LEDGER BALANCE	BALANCE	RATE	CHARGES	REQUIRED	BALANCE	FEE EQUIVALENT
(******	40.000.07				1.005.054.04	4 700 000 00	074.00
JANUARY	46,992.27	44,867.98	650000	996.60	1,805,251,21	1,760,383.23-	971.83-
FEBRUARY	102,449,67	92,318.67	.650000	916.09	1,837,209.32	1,744,890,65-	870,06-
MARCH	40,485.19	40,397.96	650000	988.95	1,791,393,92	1,750,995,96-	966,65-
OTR TOTAL	63,309.04	59,194.87		2,901.64	1,811,284.82	1,752,089.95-	2,808.54-
APRIL	48,768,69	48,044.56	.650000	917.35	1,717,086.57	1,669,042,01-	891,68-
MAY	75,684.27	61,881.56	.650000	979.76	1,774,747-05	1,712,865.49-	945.60-
JUNE	90,027.62	90,027.62	650000	950.73	1,779,566.92	1,689,539.30-	902.63-
QTR TOTAL	71,493.53	66,651.25		2,847.84	1,757,133,51	1,690,482.27-	2,739.91-
JULY	53,772,03	53,772.03	1.000000	1,056.27	1,243,673,43	1,189,901.40-	1,010.60-
AUGUST	118,806.97	113,711.84	1.000000	1,115.07	1,312,905.72	1,199,193.88-	1,018.49-
SEPTEMBER	39,068.87	38,347.27	1.000000	918.73	1,117,791,23	1,079,443.96-	887.21-
QTR TOTAL	70,549.29	68,610.38		3,090.07	1,224,790.13	1,156,179,75-	2,916.30-
OCTOBER	54,395.22	53,313,38	1.000000	789.90	930,044.05	876,730,67-	744 62-
NOVEMBER	81,369,18	76,433,28	1.000000	786.62	957,056.97	880,623,69-	723.80-
DECEMBER	47,735.64	47,710.06	1,000000	812.19	956,288,75	908,578.69-	771.67-
OTR TOTAL	61,166,68	59,152,24		2,388.71	947,796.59	888,644.35-	2,240,09-
YTD TOTAL	66,629.64	63,402,18	.825000	11,228.26	1,435,251.26	1,371,849,08-	10,704.84-

Board of Deposit
PNC Mine Subsidence Insurance Fund 3911 - December 2018

Bank Code Service Code	Description	Unit Price Tot	al Units 1	Fotal Amount	List Price	Variance	Comments
5 01 00 00	ACCOUNT MAINTENANCE	5	1 \$	5.00	\$ 5.00	\$ -	
718 25 10 52	ACH DEBIT/CREDIT BLOCK	5	1 9	5.00	\$ 5.00	\$ -	
640 25 00 00	ACH MONTHLY MAINTENANCE FEE	10	1 5	10.00	\$ 10.00	\$ -	
1176 00 03 71	CHARGE FOR INVOICE	0	1 \$	•	\$ -	\$ -	
2330 30 00 20	EDI DISBURSEMENT MONTHLY MAINT	60	1 5	60.00	\$ 60.00	\$ -	
2612 35 01 09	FILE INITIATED DOMESTIC TRANSFER	7.25	6 \$	43.50	\$ 43.50	\$ -	
2625 35 03 00	INCOMING WIRE TRANSFER	3	4 \$	12.00	\$ 12.00	\$ -	
970 30 01 02	ORIG DATA TRANSMISSION	15	20 \$	300.00	\$ 300.00	\$ -	
4059 40 99 99	PINACLE EVENT NOTIFICATION MONTH	0	1 \$	-	\$ -	\$ -	
5346 40 99 99	PINACLE MODULE FEES	10	1 \$	10.00	\$ 10.00	\$ -	
903 40 01 10	PINACLE TRANSMISSION MONTHLY FEE	100	1 \$	100.00	\$ 100.00	\$ -	
800 40 02 22	PREVIOUS DAY ACCOUNT	2.5	26 \$	65.00	\$ 65.00	\$ -	
918 40 99 99	PREVIOUS DAY DETAIL BAI	0.05	3830 \$	191.50	\$ 191.50	\$ -	
9 01 02 00	REMOTE DEPOSIT CAPTURE-TICKETS	0.5	1 \$	0.50	\$ 0.50	\$ -	
111 10 02 18	REMOTE DEPOSIT CHECK IMAGES	0.03	3 \$	0.09	\$ 0.09	\$ -	
979 30 01 12	WIRE ORIGINATED PAYMENTS	0.12	80 \$	9.60	\$ 9.60	\$ -	
	Total		Ş	812.19	\$ 812.19	\$ -	

Service Fee Total	\$ 812.19
Earnings Credit Allowance	\$ 40,52
Total	\$ 771.67



# STATE BOARD OF DEPOSIT STATE OF OHIO

#### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

## CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent OAKS voucher processing fees / postage [invoice # 19W0086], are \$8.17.

- Robert Cole Smagne CHAIRMAN	~
Stacey Cumberfander	_
February 8 2019	

## State of Ohio - Dept of Admin Services OAKS Warrant Intrastate Invoice

Please Remit To:

Department of Administrative Services

L-3686

Columbus OH 43260-3686

Page:

Invoice No:

19W0086

01/16/2019

Consolidated Invoice No:

Invoice Date:

Customer Number: Payment Terms:

BDP01 NET 30

Due Date:

02/15/2019

Bill To:

Board of Deposits Board of Deposits 30 E Broad St 9th Floor Columbus OH 43215 AMOUNT DUE:

8.17

USD

Make Checks Payable To: Ohio Treasurer of State

Billing Service Period: From To

For billing questions, please call

614-466-5027

To ensure proper payment processing, please be sure the invoice number is on all payments.

Line A	dj Identifier	Description	Quantity UOM	Unit Amt	Net Amount
Purchase Order		Contract Number	From Date	To Date	
1	REG_CKSTCK	Reg. Warrant -Check Stock Chrg	15.00 EA	0.0300	0.45
			10/01/18	12/31/18	
2	REG_ENVLOP	Reg. Warrant - Envelope Charge	15.00 EA	0.0200	0.30
			10/01/18	12/31/18	
3	REG_FULFILL	Reg. Warrant -Fulfillment Chrg	15.00 EA	0.0750	1.13
			10/01/18	12/31/18	
4	REG_POSTAGE	Reg. Warrant - Postage Fees	15.00 EA	0.3780	5.67
			10/01/18	12/31/18	
5	REG_PRESORT	Reg. Warrant - Presort Fees	15.00 EA	0.0240	0.36
			10/01/18	12/31/18	
6	REG_PRINT	Reg. Warrant - Print Charge	15.00 EA	0.0170	0.26
			10/01/18	12/31/18	
					100
	SUE	BTOTAL:			8.17
	r = -				
	l TO	TAL AMOUNT DUE			B . 1.7

OAKS SUPPLIER ID: DASO1

SUPPLIER ADDRESS CODE: 28

ISTV XREF: DASB

STANDARD

Original

## State of Ohio - Dept of Admin Services OAKS Warrant Intrastate Invoice

Please Remit To: Department of L-3686 Columbus OH	Administrative Services	Page: Invoice No: Consolidated Invoice No: Invoice Date: Customer Number: Payment Terms: Due Date:	19W0086 01/16/2019 BDP01 NET 30 02/15/2019
Bill To: Board of Depos		AMOUNT DUE:	8.17 USD
Billing Service Per	9th Floor 43215 yable To: Ohio Treasurer of Stariod: From To	ite	nount Remitted
For billing question To ensure proper		27 sure the invoice number is on all paym	ents.
	ir	nvoice Summary	
3 S	SUBTOTAL of Invoice Details:		8.17
T	TOTAL AMOUNT DUE :		8.17
α			
	ii		

Ohio Treasurer of State Fiscal Services Warrant Journal Report

> Report Distribution Provided to:

Produced: Feb 1, 2019 10:10:59 AM

### **Filters**

Buisness Unit : BDP01 Vendor ID :

Date Range: Between Oct 1, 2018 and Dec 31, 2018

## Warrant Journal Report

Payment Date: Between Oct 1, 2018 and Dec 31, 2018

## Regular Mailed Payment - Giro - EFT

Vendor	Payment Date	Reference	Message	Invoice ID	Voucher ID	Voucher Gross Amount
AUDITOR OF STATE	12/12/2018	0000521491	-	BILL248973	00001642	102.00
		,			000	00521491 Payment amount : \$102.00
DEPARTMENT OF ADMINISTRATIVE SERVICES	12/12/2018	0000521490	<b>a</b> .	19W0009	00001629	10.34
					00	000521490 Payment amount: \$10.34
TREASURER OF STATE	12/17/2018	0000521866	250	FY19_BDP_QTR1	00001654	50,450.00
					00005	521866 Payment amount : \$50,450.00

3 Regular Mailed Payment - Giro - EFT payment(s) containing 3 voucher(s) with a total value of: \$50,562.34

## Warrant Journal Report

Payment Date: Between Oct 1, 2018 and Dec 31, 2018

Regular Mailed Payment - System Check

Vendor	Payment Date	Reference	Message	Invoice ID	Voucher ID	Voucher Gross Amount
HUNTINGTON NATIONAL BANK	11/05/2018	0038725329	Account: 01891935590	008900000000049346	00001637	273.10
		0038725329	Account: 01892412957	008900000000049416	00001640	129.57
		0038725329	Account: 01892413105	008900000000049417	00001638	151.55
		0038725329	Account: 01892413134	008900000000049418	00001639	147.10
					003872532	29 Payment amount: \$701.32
	12/12/2018	0038838858	Account: 01891935590	008900000000049757	00001648	258.46
		0038838858	Account: 01892412957	008900000000049829	00001647	114.88
		0038838858	Account: 01892413105	008900000000049830	00001646	136.15
		0038838858	Account: 01892413134	008900000000049831	00001645	131.84
					00388388	58 Payment amount: \$641.33
JP MORGAN CHASE & CO	11/05/2018	0038725428	Account: 001000000000704346915	000100000001519024	00001641	446.02
					00387254	28 Payment amount: \$446.02
	12/12/2018	0038838934	Account: 001000000000704346915	000100000001520410	00001644	428.99
					003883893	34 Payment amount: \$428.99
KEYBANK NATIONAL ASSOCIATION	11/05/2018	0038725478	Account: 0900160	0001EW17L000	00001634	8,543.73
					0038725478	Payment amount : \$8,543.73
		0038725479	Attn: Dept. AA 101 Account: 149681006396	18080000912	00001633	7,281.55
					0038725479	Payment amount: \$7,281.55
		0038725481	Attn: Catherine Rope Account: 14511001050	18080000896	00001635	37,222.50
		0038725481	Attn: Catherine Rope Account: 359681427431	18080001225	00001636	13.00
					0038725481	Payment amount: \$37,235.50
	12/12/2018	0038838962	Account: 0900160	0001FWWSF000	00001651	7,568.47
					0038838962	Payment amount: \$7,568.47
		0038838963	Attn: Dept AA 101 Account: 149681006396	18090001206	00001652	4,706.41

## Warrant Journal Report

Payment Date: Between Oct 1, 2018 and Dec 31, 2018

#### Regular Mailed Payment - System Check

Vendor	Payment Date	Reference	Message	Invoice ID	Voucher ID	Voucher Gross Amount
KEYBANK NATIONAL ASSOCIATION	12/12/2018	d university and the second	Electrical de la companya de la comp		0038838963	Payment amount: \$4,706.41
		0038838964	Attn: Catherine Rope Account: 14511001050	18090001180	00001650	34,775.75
		0038838964	Attn: Catherine Rope Account: 359681427431	18090001509	00001649	13.00
					0038838964	Payment amount: \$34,788.75
PNC BANK NA	10/01/2018	0038542721	Account: 0001629970	0718717726	00001628	1,010.60
		00385427				Payment amount: \$1,010.60
	11/13/2018	0038743855	Account: 0001629970	0918718006	00001643	1,018.49
					0038743855	Payment amount: \$1,018.49
REA & ASSOCIATES INC	11/05/2018	0038726079	Account: 31C04FRAN-AI118	1155667	00001631	816.00
		0038726079	Account: 31C04FRAN-AI118	1156732	00001630	6,732.00
					0038726079	Payment amount: \$7,548.00
	12/12/2018	0038839264	Account 31C04FRAN-AI118	1161374	00001653	1,938.00
					0038839264	Payment amount: \$1,938.00
US BANK NA	11/05/2018	0038726551	Attn: CM 9581 Account: 1-301-2139-9971	AUGUST 2018	00001632	1,063.99
					0038726551	Payment amount: \$1,063.99

15 Regular Mailed Payment - System Check payment(s) containing 24 voucher(s) with a total value of: \$114,921.15



## STATE BOARD OF DEPOSIT STATE OF OHIO

#### Members:

Robert Sprague, Chairman Treasurer of State Dave Yost Attorney General Keith Faber Auditor of State

## CERTIFICATION OF THE EXPENSES OF THE STATE BOARD OF DEPOSIT

In accordance with Chapter 135.02 of the Ohio Revised Code, the undersigned, Chairman and Secretary of the State Board of Deposit of the State of Ohio, hereby certifies that the necessary expenses of the Board, which represent Treasurer of State Interactive Voice Recognition Project fees for October 2018 – December 2018, are \$50,700.00.

Adust Coledoniague
CHAIRMAN

SECRETARY

Flbruary 8, 2019

DATE

## Interactive Voice Recognition Project 2nd Quarter (October 2018 through December 2018) Fiscal Year 2019

## Invoice Number: FY19\_BDP\_QTR2

Personal Services October 2018		Amount
00.0507.2010	IT Services - FTE	9,000.00
	Revenue Management - FTE	
November 2018		
	IT Services - FTE	9,000.00
	Revenue Management - FTE	7,500.00
December 2018		
	IT Services - FTE	9,000.00
	Revenue Management - FTE	7,500.00
	Personal Services Total	49,500.00
VoIP Connections	Voucher	Amount
US Bank (VoIP Street Inc.)	10/15/2018 00024223	200.00
US Bank (VoIP Street Inc.)	11/06/2018 00024358	1,000.00
	VoIP Connection Total	1,200.00
	Invoice Total	50,700.00

BDP IVR Invoice - FY2019 2/7/2019



## **RESOLUTION - 05**

### December 11, 2015

WHEREAS, on July 30, 2007, the State Board of Deposit adopted a resolution authorizing the Treasurer of State's recommendation to phase-out the services provided by First Data Corporation.

WHEREAS, on July 30, 2007, the State Board of Deposit adopted a resolution authorizing the Treasurer of State to approve and implement a set of recommendations made by the Treasury's Chief Information Officer regarding operational efficiencies and cost savings to the Interactive Voice Response system.

WHEREAS, the Treasurer of State has presented recommendations to replace the previously authorized recommendations to the Interactive Voice Response system with the attached recommendations, the Interactive Voice Response System Overview and Recommended Upgrades, to reflect operational upgrades and ongoing system maintenance.

## THEREFORE, BE IT RESOLVED BY THE STATE BOARD OF DEPOSIT:

The Board of Deposit hereby gives the Treasurer of State the authority to implement the attached recommendations, the Interactive Voice Response System Overview and Recommended Upgrades, made by the Treasurer's Director of Information Technology regarding operational upgrades and ongoing system maintenance.

Josh Mandel, Chairman Treasurer of State

Mike DeWine Attorney General

Dave Yost Auditor of State

## Interactive Voice Response System Overview and Recommended Upgrades

The following is a review of the present service the Ohio Treasurer of State (TOS) provides to the Ohio Board of Deposit (BOD), which allows corporate taxpayers to make electronic payments of taxes via an interactive voice response (IVR) system. It also includes an action plan to refresh and upgrade the technology used to provide these services based on a need identified during a risk assessment against the current solution. The recommended plan will increase reliability, provide multi-site redundancy, and remove unsupported legacy third party software.

The automated process has proven to be highly successful. The IVR system has become a critical operational component in collecting business tax revenue. In the last biennium, the IVR system collected over \$5,000,000,000 through more than 135,000 transactions. All of this was accomplished without human intervention and the funds were reliably deposited and reconciled with the state depository.

Seven years ago, the BOD purchased the technology necessary to implement this solution. Since then, TOS has performed the maintenance, support, and continued customization required to keep the IVR properly functioning and reflective of changing tax code.

However, the system has not been upgraded and is still using the original core technology. This has created a significant operational risk due to several factors: the servers are over seven years old; the company that created the core software is no longer in business, which means TOS is no longer receiving updates or security patches, the absence of which presents security risks; and there are no "fail-over" capabilities. This situation creates a high likelihood of a complete loss of the IVR system, which would significantly delay businesses from making tax payments until TOS could huild a new system. Before this happens, TOS would like the BOD to purchase the necessary hardware, software, and consultant expertise necessary to build a modern, redundant IVR system. The cost of this build is \$55,874.00 in software customization and consultant costs and \$34.586.35 for hardware costs. The total cost of creating a modern, reliable IVR system is \$90,460.35.

## **Current Technological Overview**

#### Service Provider:

o VoipStreet – This telecom company hosts the phone number and provides the sip trunk.

## Hardware:

- Gateway 960 This server was originally manufactured in 2002. This server is currently eight years past IT industry standard lifecycle on servers (which is five years).
- Dell Optiplex 780 This replacement machine was put in place as a stopgap when the old server had a catastrophic failure. This current machine was originally manufactured in 2007, which is three years past the standard replacement cycle for desktops.
- o IBM AS400 Handles the actual processing of payments and lookups of relevant data.

### Software:

- Asterisks This is the software suite that hosts the call tree and the voice prompts customers hear when they call in.
- o FreePBX Module in Asterisks that specifically handles the call center intelligence.
- Trixbox Software that allows the Linux based Asterisks and FreePBX software solutions to communicate with the Windows based Tax IVR Service.
- Tax IVR Service Software developed in-house by TOS staff that takes the results of the customer input via the IVR, or alternatively Tax Manager, and communicates with the AS400.
- Bria Desktop Soft Phone software that resides on the computers of TOS staff who
  answer the call center number for this service in the event that human interaction is
  needed during a transaction.
- Tax Manager .net desktop application built by TOS staff that connects to the Tax IVR Service; this communicates with the AS400 for verification and submission of payments. This is used only if a customer fails out of the cail tree and talks to an agent.

## Summary:

The cumulative platform that enables automated phone payments for private entities' tax payments has reached the end of its useful lifecycle. The hardware and software that host this solution are well past their refresh period. In fact, one of the servers is two cycles past industry standard for server hardware replacements. We have already experienced a critical hardware failure that resulted in moving a portion of this solution from a server platform to a desktop platform. We are now starting to see a higher rate of failures on the other server that host this solution as well.

## **Future Technical Overview:**

#### Service Provider:

 VoipStreet – Will continue to be the telecom company that hosts the phone number and provides the sip trunk. They have proven to be a reliable company that is extremely cost effective.

#### Hardware:

- ShoreTel Voice SG-30 Dedicated switches and controller module for the new phone system integration.
- ShoreTel Ingate SiParator 21 Handles the integration of the connection from Voip Street to the ShoreTel software.
- o IBM AS400 Handles the actual processing of payments and lookups of relevant data.

## Software:

- ShoreTel 14.2 Software The total functionality as it pertains to call routing, phone tree, voice recordings, and call center technology.
- Tax IVR Service v2 In-house software that integrates all the software and hardware of this solution.

 Tax Manager v2- .net desktop application built in-house, which connects to Windows services (Tax IVR Service) – this communicates for verification and submission of payments. Only used if customer fails out of call tree and talks to an agent.

## Summary:

With this upgrade/refresh, we are consolidating many of the legacy systems to one general service provider. With ShoreTel, we are replacing Asterisks, FreePBX, and Trixbox. This will be hosted on a combination of dedicated physical appliances and virtual servers that reside in a TOS pre-existing virtual environment. This allows us to keep redundant dedicated hardware where technology dictates while leveraging the resilience of a virtual environment where possible. With this migration to a new environment, TOS will be able to create a fully redundant solution. The primary site for this hardware will be at the State of Ohio Computing Center and a second site will be at our Disaster Recovery location out in Westerville, which would allow us to failover in the event of a disaster. This solution also will be supported completely via a maintenance contract with the hardware and software vendor, which support we are lacking today in our existing solution. In addition, we will use this opportunity to rewrite completely the Tax IVR Service along with the desktop application, Tax Manager.

## Risk:

When evaluating risk as it pertains to systems, we look at several different factors. Some of these factors are supportability, survivability, standardization, and health. Outlined below is an evaluation of our current IVR solution against the risk parameters stated above.

- Health When looking at the overall health of the IVR system we have a couple of areas of concern. The area with the highest level of risk is the Trixbox component. The company that sold us this product seven years ago has since gone out of business. Not only are we not getting updates for this product, which keep us secure, but also new versions have stopped, which would allow us to get the newer, supported operating systems. If the Host server fails, installing and configuring this product to work again has a low estimated rate of success. The next area of concern is the physical hardware that houses the IVR. Asterisks, FreePBX, and Trixbox reside on physical hardware that is over thirteen years old. We have attempted to virtualize this server in the past, but because of the software limitations virtualization was not possible. The other server is sitting on a standard business desktop that runs Windows XP and is eight years old.
- Supportability Of the software that is utilized for this service, the Asterisks solution and our inhouse software are the only pieces for which the TOS has active maintenance contracts. As the company that created Trixbox is out of business, we no longer have support for this portion of the solution. In the event of an application failure, we would not have access to outside resources to help resolve any issue as it pertains to Trixbox. With the limitations to the Trixbox software, upgrading the peripheral servers operating system past Windows XP has not been an option. That operating system is no longer being supported by Microsoft and has reached end of life.
- > Survivability Survivability can be measured in multiple ways, but for this evaluation we looked at a site failure and a system or hardware failure. This environment does not have any equipment or ability to be revived at our DR site. Along with our limited ability to bring up this

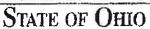
system at another site, we also do not have the ability to restore the entire environment to different hardware at the same site. This comes back to lack of software support and advance customizations that were performed. The final area of concern surrounding survivability is the architecture of the overall system. If any of the components listed above fail for any reason, the main phone line will ring busy and cease to accept payments in an automated fashion.

Standardization – Currently there are three different third party applications, two different server platforms, and two custom written applications that are needed for this system to work. As stated above, all aspects of this system need to be running at all times or the entire system stops working. Because of this, there are concerns over versioning and interoperability between applications. This has already presented itself as a problem in reference to updating operating systems, applications, and firmware.

## **Summary:**

Since its inception of seven years ago, the IVR system has become a critical application for businesses to make tax payments. During the last seven years, TOS has fully supported and maintained the IVR system, which has collected over \$10,000,000,000 via more than 100,000 transactions. However, the system is at a high risk of failure because of the legacy hardware and software. As a result of some of the primary software companies going out of business, many pieces of the IVR application have known security vulnerabilities. An IVR system failure would result in a major impact on tax collection that would persist until a new system could be built.

## STATE BOARD OF DEPOSIT



Members: Richard Cordray, Chairman Treasurer of State

> Marc Dann Attorney General

Mary Taylor Andltor of State

RESOLUTION July 30, 2007

The Board of Deposit hereby approves the Treasurer of State's recommendation that the Board of Deposit proceed expeditiously to phase-out the services provided by First Data Corporation, which are governed by the Banking Services Agreement dated July 3, 2006 with Key Bank, N.A. The Board of Deposit further gives the Treasurer of State the authority to approve and implement the attached recommendations made by the Treasury's Chief Information Officer regarding operational efficiencies and cost savings.

Mary Taylor Auditor of State

Richard Cordray, Chairman
Treasurer of State

Marc Dann
Attorney General

Mary Taylor

Richard Cordray, Chairman

Publish Cordray

Mary Taylor

Richard Cordray, Chairman

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# First Data Corporation Service Analysis & Recommendations

Michael Sawczyn
Chief Information Officer for Ohio Treasurer of State Richard Cordray
July 19, 2007

The following analysis details the present services being provided to the Ohlo Board of Deposit by First Data Corporation (FDC) to assist corporate taxpayers in the electronic payment of taxes via FDC's interactive voice response (IVR) system. It also includes a set of alternatives and recommendations to replace the current FDC services with a solution that will be created and managed by the Ohio Treasury. The recommended alternative would increase the level of service to Ohio corporations while reducing costs by \$146,000 annually.

## **Executive Summary**

The following analysis details the present services being provided to the Ohio Board of Deposit by First Data Corporation (FDC) to assist corporate taxpayers in the electronic payment of taxes via FDC's interactive voice response (IVR) system. It also includes a set of alternatives and recommendations to replace the current FDC services with a solution that will be created and managed by the Ohio Treasury. The recommended alternative would increase the level of service to Ohio corporations while reducing costs by \$146,000 annually.

The recommendations discuss the replacement of the FDC service with two systems that would be hosted by the Treasury. The first would be a replacement IVR system based on open-source telephony solutions, which would duplicate the functionality of the FDC service in capturing payment information by telephone and feed it into the current ACH payment stream used at the Treasury. The second would be a web offering that would allow payments to be submitted by website as well as a method of allowing corporations to set up and modify the details of their pay-by-phone accounts. Both systems can be created and maintained by the Treasury for significantly less cost than the annual payments to FDC for the IVR service alone.

## **Current FDC Services**

FDC contracts through Key Bank to provide a means for corporate taxpayers to electronically pay taxes. Eighteen tax types are currently supported, as follows:

- Regular Withholding Tax
- Quarterly Withholding Reconciliation
- Corporate Franchise Estimated Tax (four quarters)
- Regular Sales Tax
- Direct Payment Permit
- Seller's Use Tax
- Consumer's Use Tax
- Motor Vehicle Fuel Tax
- Regular Public Utilities Excise Tax
- Premium Insurance
- Municipal Income Tax (four quarters)
- Iolta

An additional fourteen tax types are not collected by FDC. They are:

- Motor Vehicle Sales Tax
- Boats/Motors Sales Tax
- Motor Fuel Use Tax.
- International Fuel Tax Agreement payments
- Winc Gallonage

- Beer Gallonage
- Cigarette Tax
- Cigarette Floor Tax
- Resort Tax
- Severance Tax
- Dealers in Intangibles Tax
- Tire Tax
- Estate Tax
- Reparations Rotary Tax

While the system FDC uses is generically termed an interactive voice response (IVR) system, it does not use voice recognition to interact with the taxpayer. When the taxpayer calls the system, a pre-recorded announcement gives instructions indicating that the taxpayer should use their touchtone pad to enter their taxpayer id, a PIN, the tax they are paying and the amount. Other information, such as when the payment should be made, is also collected and an ACH debit transaction is produced for the appropriate date to transfer monies from the taxpayer's pre-registered bank account to the appropriate state account.

Review of the billing statements for FDC services from June, 2004 through May, 2007 show that an average of \$30,320 per month is spent on the collection of these taxes, with approximately \$1,180 of this amount being pass-through bank fees for the ACH debit and the remaining \$29,140 per month consisting of processing costs paid directly to FDC.

Breakdowns of the costs are as follows, with the pass-through bank costs shown in italic:

Item description	Average	Cost
IVR call processing (by customer service)	422	844
IVR call processing (electronic)	20,801	21,841
IVR call processing (electronic - hang-up)	275	193
Status inquiries (by customer service)	307	614
Payment cancellation requests (by customer service)	61	122
New taxpayer accounts created (electronic)	83	42
Taxpayer data changes (by customer service)	2	7
Taxpayer data changes (electronic)	89	44
Taxpayer data deletion requests (by customer service)	13	43
Taxpayer data storage	19,782	4,946
ACH files sent to bank	24	122
ACH debit records sent to bank	21,163	1,058
ACH debit records sent to bank - surcharge	21,163	212
Miscellaneous charges		232
Total		\$30,320

An average of 805 calls are handled by customer service representatives each mouth, each call lasting approximately 2 minutes, for an average total of 23.7 man-hours per month of customer service. Data input calls lasted an average of 3 minutes each, totaling to an average of 62,400 call-minutes per month.

ACH transactions are made at Key Bank and the activity reports sent to the Treasury, which are then balanced against the FDC activity reports and the money recorded appropriately.

Corporations have the option to pay some of these taxes via the Ohio Business Gateway (OBG) as well. OBG currently collects regular withholding, regular sales and municipal income taxes, with an average transaction volume of approximately 41,000 transactions per month on these tax types. Monthly bank processing charges for this volume average \$2,050 + \$110 = \$2,160 at \$.05 per ACH transaction plus \$5 per daily file.

## Analysis and Recommendations

Approximately \$350,000 is being spent annually to FDC above and beyond the bank charges for the collection and processing of ACH payments from corporate taxpayers. The technology and infrastructure used to provide this service is significantly less expensive than this and can be replicated within the Treasury to provide the same or greater level of service.

When considering replacing FDC's services with an in-house structure, both the customer service aspect as well as the technology must be addressed.

## Customer Service

The additional customer service load that would be undertaken by the Treasury does not appear to be prohibitive, but still must be taken into account. According to billing reports from FDC, approximately 24 man-hours per month would be added to the call volume for support, but we should expect this to rise in the early days of the transition due both to issues with the new system that would be put in place (more calls) and to the Treasury staff's lack of knowledge of the new system (longer calls).

Handling customer service calls is a task that is currently distributed throughout the various departments of the Treasury, with each department handling calls appropriate to their area. The staff handling question or problem calls do not rest and wait for the phone to ring; rather, they have other duties which are essentially interrupted by the need to handle calls from outside parties.

The addition of the IVR call volume would cause further disruption on two fronts. As incutioned above, staff would experience both a larger-than-average call volume (while taxpayers get accustomed to the new system) and a longer-than-average call length (while staff gets accustomed to their new duties). In addition, the extra calls would cause a greater number of task breaks, increasing the length of time for current duties to be accomplished.

Two options are available to handle the increased external customer service load: a staff increase or a redistribution of workload. Of the two, the least disruptive and fastest to

implement would be a staff increase of one additional FTE, which ideally would be split into the conversion of two part-time employees into full-time employees. The change in status from part-time to full-time would be superior to biring a new employee since it would significantly reduce training time and costs. This would produce the shortest learning curve and quickest ability to provide a satisfactory level of customer service while still maintaining the quality and timeliness of current Treasury operational processing. The alternative, redistributing the workload, would involve the creation of a dedicated customer service center, which would require approximately six to twelve months of planning and training along with substantive disruption to the Treasury's workflow during its implementation.

Addition of the one total Revenue Management FTE performing these duties is estimated at \$49,000 + 32% load for a total of \$64,700 per year.

## IVR Technology

Telephony technology is currently experiencing a growth spurt, with a number of excellent systems available as both commercial and open-source products. Starting in the early 1990s, the growth in this area of information technology has outpaced the growth in virtually every other computer science field.

One particularly attractive telephony system is available as an open-source project: Asterisk (http://www.asterisk.org).

The Asterisk project was started in 1999 by the founder of Digium Corporation and is currently supported on a fee basis by that company. The product itself is free and open-source; it and its source code can be downloaded from the internet and used in any setting without payment. Online support is available for free with an extensive knowledge base and volumes of documentation, or users may opt for paid support directly from Digium. Digium also sells hardware for use with Asterisk allowing the hosting computer to hook into standard analog and digital telephone systems, and the system natively supports Voice-Over-IP (VOIP) for secure access to a VOIP provider.

The system will run on hardware currently available and sitting idle at the Treasury, and will support the IVR activities needed for an FDC replacement. Essentially, the hardware and software can be acquired at a zero dollar cost.

This is not to say that the creation of the system would, however, be a zero cost proposition. Both development and maintenance would be required.

Development costs would center on staff training in telephony technology and interfacing the IVR system with the Treasury's enterprise computer system. The integration would hook into the current ACH processing that is being done for Reparations Rotary and Boat & Motors payments, providing some economies of scale. Development, configuration and testing time is estimated to take 4-6 weeks.

Maintenance activities would include operating system and Asterisk installation and configuration, system security creation and monitoring, backups, redundancy, disaster recovery and contingency planning and implementation.

The total IT added workload would amount to approximately one FTE, and is estimated to add \$90,000 + 32% load for a total of \$118,800.

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To connect the IVR system with the telephone network, it will need to integrate with a telephone provider. Pricing ranges from \$6 to \$25 per month per line for VOIP, so with ten lines (allowing for ten simultaneous calls into the IVR), the high end would be \$250 per month. AT&T can provide this service, as can Verizon and a large number of other, smaller providers, some of which are Ohio companies. No additional wiring or other infrastructure costs would be needed to implement the VOIP solution.

As an additional bonus, bringing this system into the Treasury would provide a self-service function for taxpayers to enter and update their demographic and banking information. A secure website would be created that would allow the entry of data identifying the taxpayer (e.g., corporation tax id, bank account number, etc.). The Treasury would securely store that data in encrypted form on its network and use it to route the payments and payment information taken in by the IVR system.

When configuring the IVR system to accept payments currently handled by FDC, it is also suggested that the means be added to accept Reparations Rotary and Boats & Motors payments, providing an increased level of service and an alternative mechanism for rural areas to electronically pay into the Treasury.

## Moving Forward: Alternatives

Three alternative plans were investigated during the research for this project.

The first would be to simply do nothing. This is the baseline alternative and should always be considered. Costs per year (minus banking fees) would continue to be approximately \$350,000.

The second alternative would be to move to a different provider. Other companies provide this same service, and costs for these services are broken down either as pertransaction or a flat percentage for all monies collected (the latter appears to be more common).

To use a representative example, Franklin County's IVR provider charges 7.2% of the total amount collected per month. Taking April, 2007 as an example, the charges for the \$306,853,085 collected would amount to \$22,093,422 on a monthly basis. Using the percentage-transferred model, in order to bring the costs to a comparable level with FDC's pricing the overhead charge would have to be brought down to 0.0099%, which appears highly unlikely.

The third, and recommended, alternative is to move the IVR function from FDC to the Treasury. Costs for this proposal

- would retain the approximately \$1,180 per month in banking charges for the ACH transactions
- add an additional \$250 (approx.) for VOIP phone connections, and
- add approximately \$16,700 for staff

The cost total for this alternative would amount to \$18,140 per month for a total annual cost of \$217,680, a savings of \$146,160. Additional opportunities also exist for expansion

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