



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$428.99.

Josh Mandel

CHAIRMAN

Stacy Cumberland

SECRETARY

November 13, 2018

DATE



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 #: 000100000001520410

ACCOUNT: 001 000000000704346915
 PRODUCTION DATE: 10-04-2018

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
08-31-2018	000100000001519024	PREVIOUS SERVICE CHARGE	309.70
09-30-2018	000100000001520410	CURRENT SERVICE CHARGE	428.99
TOTAL			738.69

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
TOTAL				1,339.81

INVOICE SUMMARY

Date	Invoice	Total Billed	Total Paid to Date	Outstanding Amount
08-31-2018	000100000001519024	446.02	136.32	309.70
09-30-2018	000100000001520410	428.99	0.00	428.99
TOTAL OUTSTANDING AMOUNT (10-31-2018)				738.69

Account Analysis Payment Remittance

(Please detach and return this portion of the invoice with payment)

Total Amount Due \$ 738.69

Amount Enclosed \$

Customer Name: STATE OF OHIO TREASURER OF STATE
 Account: 001 000000000704346915
 Production Date: 10-04-2018
 Payment Due On: 10-31-2018
 Invoice Number: 000100000001520410

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)

****The Total Amount Due does not include payments received after 09-30-2018.****

JPMorgan

STATE OF OHIO TREASURER OF STATE
 JOSH MANDEL - TOS CONSOLIDATION ACCT
 30 E BROAD ST 10TH FL
 ATTN RECONCILIATION DEPT
 COLUMBUS OH 43286-0421

ACCOUNT ANALYSIS STATEMENT
 FOR SEPTEMBER 2018

DETAIL OF ACCOUNT 001 000000000704346915

PAGE 1 OF 6
 ACCOUNT: 001 000000000704346915
 PRODUCTION DATE: 10-04-2018
 INVOICE
 OFFICER CONTACT:
 GEORGE SESOCK
 (330) 972-1762
 OTHER CONTACT:
 GLOBAL CLIENT CARE SERVICE CTR
 (888) 434-3030

JPMORGAN CHASE ROUTINELY EVALUATES CHANGES TO OUR COSTS AND PLANS FOR INVESTMENTS IN PRODUCT CAPABILITIES. AS A RESULT, PRICING FOR SOME SERVICES ARE LIKELY TO CHANGE EFFECTIVE JANUARY 1, 2019. WE UNDERSTAND THAT PRICE INCREASES IMPACT YOUR BUSINESS, AND THEREFORE WE WANT TO GIVE YOU ADVANCE NOTICE TO HELP YOUR PLANNING PROCESS. YOU MAY RECEIVE ADDITIONAL INFORMATION FROM YOUR RELATIONSHIP TEAM LATER THIS YEAR.

BALANCE AND COMPENSATION ANALYSIS

EARNINGS ALLOWANCE RATE: 2.398%
 MULTIPLIER: \$ 507.28000

AFP CODE	DESCRIPTION	BALANCE INFORMATION	COMPENSATION INFORMATION
000000	AVERAGE NET LEDGER BALANCE	0	0.00
000030	LESS AVERAGE FLOAT BALANCE	0	0.00
000010	AVERAGE NET COLLECTED BALANCE	0	0.00
000011	AVG POSITIVE COLLECTED BALANCE	0	0.00
000420	LESS DDA BAL RESERVE REQUIREMENT	0	0.00
000040	INVESTABLE BALANCE	0	0.00
000400	BAL EQUIV/LNT-TOT SERVICE CHRGS	-217.621	0.00
000410	EXCESS/(DEFICIT) INVESTIBLE BAL	-217.621	0.00
000240	EARNINGS ALLOWANCE	0	0.00
000331	BAL COMPENSABLE SRVC CHARGES	0	-428.99
000241	EXCESS/(DEFICIT) EARNING ALLOW	0	-428.99
000314	SERVICE CHARGE AMOUNT	0	428.99

[Handwritten Signature]
 119118



ACCOUNT ANALYSIS STATEMENT
FOR SEPTEMBER 2018

PAGE 2 OF 6

DETAIL OF ACCOUNT 001 000000000704346915

ACCOUNT: 001 000000000704346915
PRODUCTION DATE: 10-04-2018

JPMorgan
STATE OF OHIO TREASURER OF STATE

ACTIVITY SUMMARY

PRODUCT LINE AND DESCRIPTION	BANK SERVICE CODE	AFP SERVICE CODE	UNIT PRICE (\$)	VOLUME	SERVICE CHARGE (\$)	BALANCE EQUIVALENT (\$)	FEE BASED CHARGES (\$)
ACCOUNT SERVICES							
ACCOUNT MAINTENANCE	01005	010000	8.0000	1	8.00	4.058	0.00
STATEMENT CYCLES	01010	010307	0.0000	1	0.00	0	0.00
POST NO CHECKS MAINTENANCE	03499	1500ZZ	1.0000	1	1.00	507	0.00
SUBTOTAL					9.00	4.566	
AUTOMATED CLEARING HOUSE							
ACH MAINTENANCE	02695	250000	10.0000	1	10.00	5.073	0.00
SUBTOTAL					10.00	5.073	
HOST TO HOST							
EDI 822 ANALYSIS MODULE MAINT	01033	010400	0.0000	1	0.00	0	0.00
EDI 822 ANALYSIS ACCT MAINT	01034	010400	5.0000	8	40.00	20,291	0.00
SUBTOTAL					40.00	20,291	
JPMORGAN ACCESS							
ACCOUNTS REPORTED	06041	40044Z	15.0000	3	45.00	22,828	0.00
MONTHLY SERVICE	06040	400610	50.0000	1	50.00	25,364	0.00
TRANSACTIONS REPORTED - 45 DAY	06043	40086Z	0.1000	244	24.40	12,378	0.00
EXTENDED TRANSACTION DETAIL	06053	40066Z	0.0000	8	0.00	0	0.00
ACCT TRANSFER ITEM	06076	400699	1.0000	1	1.00	507	0.00
SUBTOTAL					120.40	61,077	
BAI/SWIFT/ISO REPORTING							
H2H TRANS DETAIL REPORTED	06094	400110	0.0300	3	0.09	46	0.00
H2H NON-CHECK ITEMS REPORTED	06095	400110	0.0300	153	4.59	2,328	0.00
H2H FILES TRANSMITTED OVER 67	03653	4004ZZ	0.0000	21	0.00	0	0.00
H2H ACCOUNTS REPORTED	06085	4004ZZ	30.0000	2	60.00	30,437	0.00
SUBTOTAL					64.68	32,811	
INT REC & PAY - RECONCILE / 71	06139	050005	20.0000	1	20.00	10,146	0.00
5681							
CLOSED LBX IMAGE VIEWING	06201	059999	0.0138	356	4.91	2,491	0.00
REMITTER RECORD STORG							

ACCOUNT ANALYSIS STATEMENT
FOR SEPTEMBER 2018

PAGE 3 OF 6

DETAIL OF ACCOUNT 001 000000000704346915

ACCOUNT: 001 000000000704346915
PRODUCTION DATE: 10-04-2018

J.P.Morgan
STATE OF OHIO TREASURER OF STATE

ACTIVITY SUMMARY

PRODUCT LINE AND DESCRIPTION	BANK SERVICE CODE	AFP SERVICE CODE	UNIT PRICE (\$)	VOLUME	SERVICE CHARGE (\$)	BALANCE EQUIVALENT (\$)	FEE BASED CHARGES (\$)
SUBTOTAL					24.91	12.637	
INT REC & PAY - RECONCILE / 78					20.00	10.146	0.00
1166	06139	050005	20.0000	1	20.00	10.146	
CLOSED LBX IMAGE VIEWING							
SUBTOTAL					20.00	10.146	0.00
INT REC & PAY - RECONCILE / 78					20.00	10.146	0.00
1216	06139	050005	20.0000	1	20.00	10.146	
CLOSED LBX IMAGE VIEWING							
SUBTOTAL					20.00	10.146	0.00
INT REC & PAY - RECONCILE / 78					20.00	10.146	0.00
12161	06139	050005	20.0000	1	20.00	10.146	
CLOSED LBX IMAGE VIEWING							
SUBTOTAL					20.00	10.146	0.00
INT REC & PAY - RECONCILE / 78					20.00	10.146	0.00
12162	06139	050005	20.0000	1	20.00	10.146	
CLOSED LBX IMAGE VIEWING							
SUBTOTAL					20.00	10.146	0.00
INT REC & PAY - RECONCILE / 78					20.00	10.146	0.00
12163	06139	050005	20.0000	1	20.00	10.146	
CLOSED LBX IMAGE VIEWING							
SUBTOTAL					20.00	10.146	0.00
INT REC & PAY - RECONCILE / 78					20.00	10.146	0.00
12164	06139	050005	20.0000	1	20.00	10.146	
CLOSED LBX IMAGE VIEWING							
SUBTOTAL					20.00	10.146	0.00
INT REC & PAY - RECONCILE / 78					20.00	10.146	0.00
12165	06139	050005	20.0000	1	20.00	10.146	
CLOSED LBX IMAGE VIEWING							
SUBTOTAL					20.00	10.146	0.00



ACCOUNT ANALYSIS STATEMENT
FOR SEPTEMBER 2018

PAGE 4 OF 6

ACCOUNT: 001 000000000704346915
PRODUCTION DATE: 10-04-2018

J.P.Morgan
STATE OF OHIO TREASURER OF STATE

DETAIL OF ACCOUNT 001 000000000704346915

ACTIVITY SUMMARY

PRODUCT LINE AND DESCRIPTION	BANK SERVICE CODE	AFP SERVICE CODE	UNIT PRICE (\$)	VOLUME	SERVICE CHARGE (\$)	BALANCE EQUIVALENT (\$)	FEE BASED CHARGES (\$)
SUBTOTAL					20.00	10,146	
INT REC & PAY - RECONCILE / 78					20.00	10,146	
1859							
CLOSED LBX IMAGE VIEWING	06139	050005	20.0000	1	20.00	10,146	0.00
SUBTOTAL					20.00	10,146	
TOTAL CHARGE FOR SERVICES		000300			428.99	0	
TOTAL FEE BASED CHARGES		000330			0.00	0	
BAL COMPENSABLE SRVC CHARGES		000331			-428.99	0	
BAL EQUIVINT-TOT SERVICE CHRGS		000400			0.00	217,621	

J.P.Morgan
STATE OF OHIO TREASURER OF STATE

DETAIL OF ACCOUNT 001 00000000704346915

ACCOUNT ANALYSIS STATEMENT
FOR SEPTEMBER 2018
PAGE 5 OF 6
ACCOUNT: 001 00000000704346915
PRODUCTION DATE: 10-04-2018

RELATIONSHIP BALANCE COMPENSATION HISTORY

MONTH	AVERAGE NET LEDGER BALANCE (\$)	AVERAGE NET COLLECTED BALANCE (\$)	INVESTABLE BALANCE (\$)	BALANCE EQUIVALENT TOTAL SERVICE CHARGES (\$)	EXCESS/ (DEFICIT) INVESTABLE BALANCE (\$)	EARNINGS ALLOWANCE RATE (%)	EARNINGS ALLOWANCE (\$)	BALANCE COMPENSABLE SERVICE CHARGES (\$)	EXCESS/ (DEFICIT) EARNINGS ALLOWANCE (\$)
JAN	57	57	57	294,724	-294,667		0	445	-445
FEB	0	0	0	275,042	-275,042		0	426	-426
MAR	0	0	0	219,979	-219,979		0	432	-432
APR	0	0	0	225,915	-225,915		0	439	-439
MAY	0	0	0	228,981	-228,981		0	451	-451
JUN	0	0	0	229,785	-229,785		0	441	-441
JUL	0	0	0	224,218	-224,218		0	447	-447
AUG	0	0	0	226,286	-226,286		0	446	-446
SEP	0	0	0	217,621	-217,621		0	429	-429
JAN - SEP AVERAGE	6	6	6	238,061					
JAN - SEP NET					-2,142,494		0	3,956	-3,956



Board of Deposit
Chase Consolidation Account 6915 - September 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List Price	Variance	Comments
1005	01 00 00	ACCOUNT MAINTENANCE	8	1	\$ 8.00	\$ 8.00	\$ -	
1010	01 03 07	STATEMENT CYCLES	0	1	\$ -	\$ -	\$ -	
3499	15 00 ZZ	POST NO CHECKS MAINTENANCE	1	1	\$ 1.00	\$ 1.00	\$ -	
2695	25 00 00	ACH MAINTENANCE	10	1	\$ 10.00	\$ 10.00	\$ -	
1033	01 04 00	EDI 822 ANALYSIS MODULE MAINT	0	1	\$ -	\$ -	\$ -	
1034	01 04 00	EDI 822 ANALYSIS ACCT MAINT	5	8	\$ 40.00	\$ 40.00	\$ -	
6041	40 04 4Z	ACCOUNTS REPORTED	15	3	\$ 45.00	\$ 45.00	\$ -	
6040	40 06 10	MONTHLY SERVICE	50	1	\$ 50.00	\$ 50.00	\$ -	
6043	40 06 6Z	TRANSACTIONS REPORTED - 45 DAY	0.1	244	\$ 24.40	\$ 24.40	\$ -	
6053	40 06 6Z	EXTENDED TRANSACTION DETAIL	0	8	\$ -	\$ -	\$ -	
6076	40 06 99	ACCT TRANSFER ITEM	1	1	\$ 1.00	\$ 1.00	\$ -	
6094	40 01 10	H2H TRANS DETAIL REPORTED	0.03	3	\$ 0.09	\$ 0.09	\$ -	
6095	40 01 10	H2H NON-CHECK ITEMS REPORTED	0.03	153	\$ 4.59	\$ 4.59	\$ -	
3653	40 04 ZZ	H2H FILES TRANSMITTED OVER 67	0	21	\$ -	\$ -	\$ -	
6085	40 04 ZZ	H2HACCOUNTS REPORTED	30	2	\$ 60.00	\$ 60.00	\$ -	
6139	05 00 05	CLOSED LBX IMAGE VIEWING 715681	20	1	\$ 20.00	\$ 20.00	\$ -	
6201	05 99 99	REMITTERRECORD STORG 715681	0.0138	356	\$ 4.91	\$ 4.91	\$ (0.00)	
6139	05 00 05	CLOSED LBX IMAGE VIEWING 781166	20	1	\$ 20.00	\$ 20.00	\$ -	
6139	05 00 05	CLOSED LBX IMAGE VIEWING 781216	20	1	\$ 20.00	\$ 20.00	\$ -	
6139	05 00 05	CLOSED LBX IMAGE VIEWING 7812161	20	1	\$ 20.00	\$ 20.00	\$ -	
6139	05 00 05	CLOSED LBX IMAGE VIEWING 7812162	20	1	\$ 20.00	\$ 20.00	\$ -	
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	\$ -	
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	\$ -	
					\$ 428.99	\$ 428.99	\$ (0.00)	

Service Fee Total	\$ 428.99
Earnings Credit Allowance	\$ -
Total	\$ 428.99



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$114.88.

Josh Mandel

CHAIRMAN

Stacy Cumberland

SECRETARY

November 13, 2018

DATE



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

Invoice

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

Account Analysis Statement

Group: 801892412957

Analysis Period From 09/01/2018
 To 09/30/2018
 Statement Date 10/09/2018

Account Summary Section

Group Account: 801892412957

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE	24,657.69	EARNINGS CREDIT ALLOWANCE	21.27
LESS AVERAGE FLOAT	.00	TOTAL CHARGE FOR SERVICES	-136.15
AVERAGE COLLECTED BALANCE	24,657.69	NET CHARGE FOR SERVICES	-114.88
AVG POSITIVE COLLECTED BALANCE	24,657.69	***SERVICE CHARGE AMOUNT	114.88
LESS RESERVE REQUIRED	.00		
AVERAGE AVAILABLE BALANCE	24,657.69		
LESS BALANCE REQUIRED	-157,797.85		
NET AVAILABLE BALANCE	-133,140.16		
TOTAL DEFICIT BALANCE	-133,140.16		

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 11/9/18

Service Charge Detail

Group Account: 801892412957

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOUNT SERVICES					
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALYSIS					
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECURITY SUITE					
0183	251053	ACH POS PAY-ALERTS	545	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLINE-BOL					
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	19	.0000	.00
INFORMATION REPORTING					
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	209	.3500	73.15
TOTAL CHARGE FOR SERVICES					136.15

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



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

Invoice

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

Account Analysis Statement

Group: 801892412957

Account: 01892412957

Analysis Period From 09/01/2018
To 09/30/2018
Statement Date 10/09/2018
Invoice Due Date* 10/30/2018

* Please remit the Total Amount Due of 243.88 before this date

Invoice Details

Group: 801892412957

Description		
Previous Balance		259.53
Payments Received		
09/24/2018 Invoice # 8900000000048993	129.96	
09/24/2018 Invoice # 8900000000049416	.57	
Grand Total Payments Received		130.53-
Account Summary of Charges		
Previous Invoice Balance		129.00
Total Past Due		129.00
Current Service Charges		114.88
Total Amount Due		243.88

Statement Period 09/01/2018 to 09/30/2018 Page 2 of 3

(please fold and tear here to remit this portion with your payment)

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

Group #:801892412957

Invoice Date: 09/30/2018

Invoice #: 008900000000049829

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

Payment Due on 10/30/2018

Amount Due 243.88

Amount Enclosed:

\$

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

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



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

Invoice

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

Account Analysis Statement

Group: 801892412957

Account: 01892412957

Analysis Period From 09/01/2018
 To 09/30/2018
 Statement Date 10/09/2018

Account Summary Section

Public Fund Analyzed Checking Account: 01892412957

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE	24,657.69	EARNINGS CREDIT ALLOWANCE 1.050 %	21.27
LESS AVERAGE FLOAT	.00	TOTAL CHARGE FOR SERVICES	-136.15
AVERAGE COLLECTED BALANCE	24,657.69	NET CHARGE FOR SERVICES	-114.88
AVG POSITIVE COLLECTED BALANCE	24,657.69	***SERVICE CHARGE AMOUNT	114.88
LESS RESERVE REQUIRED @	.00		
AVERAGE AVAILABLE BALANCE	24,657.69		
LESS BALANCE REQUIRED	-157,797.85		
NET AVAILABLE BALANCE	-133,140.16		
TOTAL DEFICIT BALANCE	-133,140.16		

Service Charge Detail

Public Fund Analyzed Checking Account: 01892412957

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOUNT SERVICES					
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALYSIS					
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECURITY SUITE					
0183	251053	ACH POS PAY-ALERTS	545	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLINE-BOL					
3722	400022	BOL ACCOUNT MAINT-BASIC	1	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	19	.0000	.00
INFORMATION REPORTING					
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	209	.3500	73.15
TOTAL CHARGE FOR SERVICES					136.15

Board of Deposit
Huntington ODNR Division of Reclamation 2957 - September 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List Price	Variance	Comments
21	01 00 00	MONTHLY SERVICE FEEUF		13	1 \$ 13.00	\$ 13.00	\$ -	
104	01 03 07	PAPERLESS STATEMENT		0	1 \$ -	\$ -	\$ -	
3004	30 01 00	ANALYSIS STATEMENT VIA EDI		15	1 \$ 15.00	\$ 15.00	\$ -	
183	25 10 53	ACH POS PAY-ALERTS		0	545 \$ -	\$ -	\$ -	
1490	25 10 50	ACH POS PAY ONLY ACCT		20	1 \$ 20.00	\$ 20.00	\$ -	
3722	40 00 22	BOL ACCOUNT MAINT-BASIC		0	1 \$ -	\$ -	\$ -	
3742	40 02 72	BOL PREVIOUS DAY ITEMS-BASIC		0	19 \$ -	\$ -	\$ -	
4005	40 00 12	INFO RPT-TRANS - MONTHLY MAINT		15	1 \$ 15.00	\$ 15.00	\$ -	
4006	40 02 30	INFO RPT-TRANS - PREV DAY SUMM		0.35	209 \$ 73.15	\$ 73.15	\$ -	
Total					\$ 136.15	\$ 136.15	\$ -	

Service Fee Total	\$ 136.15
Earnings Credit Allowance	\$ 21.27
Total	\$ 114.88



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$131.84.

Josh Mandel

CHAIRMAN

Stacy Cumberlander

SECRETARY

November 13, 2018

DATE

THE HUNTINGTON NATIONAL BANK
 PO BOX 1558 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

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

Account Analysis Statement

Group: 801892413134

Analysis Period From 09/01/2018
 To 09/30/2018
 Statement Date 10/09/2018

Account Summary Section

Group Account: 801892413134

Balance Analysis	
AVERAGE BALANCE	5,000.00
LESS AVERAGE FLOAT	.00
AVERAGE COLLECTED BALANCE	5,000.00
AVG POSITIVE COLLECTED BALANCE	5,000.00
LESS RESERVE REQUIRED	.00
AVERAGE AVAILABLE BALANCE	5,000.00
LESS BALANCE REQUIRED	-157,797.85
NET AVAILABLE BALANCE	-152,797.85
TOTAL DEFICIT BALANCE	-152,797.85

Service Charge Analysis	
EARNINGS CREDIT ALLOWANCE	4.31
TOTAL CHARGE FOR SERVICES	-136.15
NET CHARGE FOR SERVICES	-131.84
***SERVICE CHARGE AMOUNT	131.84

AK
 11/9/18

Service Charge Detail

Group Account: 801892413134

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOUNT SERVICES					
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALYSIS					
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECURITY SUITE					
0183	251053	ACH POS PAY-ALERTS	545	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLINE-BOL					
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	19	.0000	.00
INFORMATION REPORTING					
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	209	.3500	73.15
TOTAL CHARGE FOR SERVICES					136.15

THE HUNTINGTON NATIONAL BANK
PO BOX 1558 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

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 09/01/2018
To 09/30/2018

Statement Date 10/09/2018

Invoice Due Date* 10/30/2018

* Please remit the Total Amount Due of 278.51 before this date

Invoice Details

Group: 801892413134

Description

Previous Balance		283.04
Payments Received		
09/24/2018 Invoice # 8900000000048995	135.94	
09/24/2018 Invoice # 8900000000049418	.43	
Grand Total Payments Received		136.37-
Account Summary of Charges		
Previous Invoice Balance		146.67
Total Past Due		146.67
Current Service Charges		131.84
Total Amount Due		278.51

Statement Period 09/01/2018 to 09/30/2018 Page 2 of 3

(please fold and tear here to remit this portion with your payment)

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

Group #: 801892413134
Invoice Date: 09/30/2018
Invoice #: 00890000000049831

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

Payment Due on 10/30/2018
Amount Due 278.51
Amount Enclosed:

\$

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

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



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

Invoice

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 09/01/2018
 To 09/30/2018

Statement Date 10/09/2018

Account Summary Section

Public Fund Analyzed Checking Account: 01892413134

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE	5,000.00	EARNINGS CREDIT ALLOWANCE 1.050 %	4.31
LESS AVERAGE FLOAT	.00	TOTAL CHARGE FOR SERVICES	-136.15
AVERAGE COLLECTED BALANCE	5,000.00	NET CHARGE FOR SERVICES	-131.84
AVG POSITIVE COLLECTED BALANCE	5,000.00	***SERVICE CHARGE AMOUNT	131.84
LESS RESERVE REQUIRED @	.00		
AVERAGE AVAILABLE BALANCE	5,000.00		
LESS BALANCE REQUIRED	-157,797.85		
NET AVAILABLE BALANCE	-152,797.85		
TOTAL DEFICIT BALANCE	-152,797.85		

Service Charge Detail

Public Fund Analyzed Checking Account: 01892413134

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOUNT SERVICES					
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALYSIS					
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECURITY SUITE					
0183	251053	ACH POS PAY-ALERTS	545	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLINE-BOL					
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	19	.0000	.00
INFORMATION REPORTING					
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	209	.3500	73.15
TOTAL CHARGE FOR SERVICES					136.15

Board of Deposit

Huntington ODNR Lake Katherine Management Fund 3134 - September 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List Price	Variance	Comments
	21 01 00 00	MONTHLY SERVICE FEE		13	1 \$ 13.00	\$ 13.00	\$ -	
	104 01 03 07	PAPERLESS STATEMENT		0	1 \$ -	\$ -	\$ -	
	3004 30 01 00	ANALYSIS STATEMENT VIA EDI		15	1 \$ 15.00	\$ 15.00	\$ -	
	183 25 10 53	ACH POS PAY-ALERTS		0	545 \$ -	\$ -	\$ -	
	1490 25 10 50	ACH POS PAY ONLY ACCT		20	1 \$ 20.00	\$ 20.00	\$ -	
	3722 40 00 22	BOL ACCOUNT MAINT-BASIC		0	1 \$ -	\$ -	\$ -	
	3742 40 02 72	BOL PREVIOUS DAY ITEMS-BASIC		0	19 \$ -	\$ -	\$ -	
	4005 40 00 12	INFO RPT-TRANS - MONTHLY MAINT		15	1 \$ 15.00	\$ 15.00	\$ -	
	4006 40 02 30	INFO RPT-TRANS - PREV DAY SUMM		0.35	209 \$ 73.15	\$ 73.15	\$ -	
		Total			\$ 136.15	\$ 136.15	\$ -	

Service Fee Total	\$ 136.15
Earnings Credit Allowance	\$ 4.31
Total	\$ 131.84



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$136.15.

Josh Mandel

CHAIRMAN

Stacy Cumberland

SECRETARY

November 13, 2018

DATE

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



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

Invoice

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

Account Analysis Statement

Group: 801892413105

Analysis Period From 09/01/2018
 To 09/30/2018
 Statement Date 10/09/2018

Account Summary Section

Group Account: 801892413105

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE	.00	EARNINGS CREDIT ALLOWANCE	.00
LESS AVERAGE FLOAT	.00	TOTAL CHARGE FOR SERVICES	-136.15
AVERAGE COLLECTED BALANCE	.00	NET CHARGE FOR SERVICES	-136.15
AVG POSITIVE COLLECTED BALANCE	.00	***SERVICE CHARGE AMOUNT	136.15
LESS RESERVE REQUIRED	.00		
AVERAGE AVAILABLE BALANCE	.00		
LESS BALANCE REQUIRED	-157,797.85		
NET AVAILABLE BALANCE	-157,797.85		
TOTAL DEFICIT BALANCE	-157,797.85		

[Handwritten Signature]
 11/9/18

Service Charge Detail

Group Account: 801892413105

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOUNT SERVICES					
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALYSIS					
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECURITY SUITE					
0183	251053	ACH POS PAY-ALERTS	545	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLINE-BOL					
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	19	.0000	.00
INFORMATION REPORTING					
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	209	.3500	73.15
TOTAL CHARGE FOR SERVICES					136.15

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



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

Invoice

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 09/01/2018
To 09/30/2018
Statement Date 10/09/2018
Invoice Due Date* 10/30/2018

* Please remit the Total Amount Due of 287.70 before this date

Invoice Details

Group: 801892413105

Description	
Previous Balance	302.88
Payments Received 09/24/2018 Invoice # 8900000000048994	151.33
Grand Total Payments Received	151.33-
Account Summary of Charges	
Previous Invoice Balance	151.55
Total Past Due	151.55
Current Service Charges	136.15
Total Amount Due	287.70

Statement Period 09/01/2018 to 09/30/2018 Page 2 of 3

(please fold and tear here to remit this portion with your payment)

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

Group #:801892413105
Invoice Date: 09/30/2018
Invoice #: 008900000000049830

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

Payment Due on 10/30/2018
Amount Due 287.70

Amount Enclosed:

\$

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

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



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

Invoice

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 09/01/2018
 To 09/30/2018
 Statement Date 10/09/2018

Account Summary Section

Public Fund Analyzed Checking Account: 01892413105

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE	.00	EARNINGS CREDIT ALLOWANCE 1.050 %	.00
LESS AVERAGE FLOAT	.00	TOTAL CHARGE FOR SERVICES	-136.15
AVERAGE COLLECTED BALANCE	.00	NET CHARGE FOR SERVICES	-136.15
AVG POSITIVE COLLECTED BALANCE	.00	***SERVICE CHARGE AMOUNT	136.15
LESS RESERVE REQUIRED @	.00		
AVERAGE AVAILABLE BALANCE	.00		
LESS BALANCE REQUIRED	-157,797.85		
NET AVAILABLE BALANCE	-157,797.85		
TOTAL DEFICIT BALANCE	-157,797.85		

Service Charge Detail

Public Fund Analyzed Checking Account: 01892413105

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOUNT SERVICES					
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALYSIS					
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECURITY SUITE					
0183	251053	ACH POS PAY-ALERTS	545	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
BUSINESS ONLINE-BOL					
3722	4000ZZ	BOL ACCOUNT MAINT-BASIC	1	.0000	.00
3742	400272	BOL PREVIOUS DAY ITEMS-BASIC	19	.0000	.00
INFORMATION REPORTING					
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	209	.3500	73.15
TOTAL CHARGE FOR SERVICES					136.15

Board of Deposit
Huntington ODNR Wildlife Habitat Fund 3105 - September 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List Price	Variance	Comments
21	01 00 00	MONTHLY SERVICE FEE		13	1 \$ 13.00	\$ 13.00	\$ -	
104	01 03 07	PAPERLESS STATEMENT		0	1 \$ -	\$ -	\$ -	
3004	30 01 00	ANALYSIS STATEMENT VIA EDI		15	1 \$ 15.00	\$ 15.00	\$ -	
183	25 10 53	ACH POS PAY-ALERTS		0	545 \$ -	\$ -	\$ -	
1490	25 10 50	ACH POSPAY ONLY ACCT		20	1 \$ 20.00	\$ 20.00	\$ -	
3722	40 00 ZZ	BOL ACCOUNT MAINT-BASIC		0	1 \$ -	\$ -	\$ -	
3742	40 02 72	BOL PREVIOUS DAY ITEMS-BASIC		0	19 \$ -	\$ -	\$ -	
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	209 \$ 73.15	\$ 73.15	\$ -	
Total					\$ 136.15	\$ 136.15	\$ -	

Service Fee Total	\$ 136.15
Earnings Credit Allowance	\$ -
Total	\$ 136.15



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:
Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$258.46.

Josh Mandel

CHAIRMAN

Stacey Cumberlander

SECRETARY

November 13, 2018

DATE

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



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

Invoice

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

Account Analysis Statement

Group: 801891935590

Analysis Period From 09/01/2018
 To 09/30/2018
 Statement Date 10/09/2018

Account Summary Section

Group Account: 801891935590

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE	26,298.98	EARNINGS CREDIT ALLOWANCE	22.69
LESS AVERAGE FLOAT	.00	TOTAL CHARGE FOR SERVICES	-281.15
AVERAGE COLLECTED BALANCE	26,298.98	NET CHARGE FOR SERVICES	-258.46
AVG POSITIVE COLLECTED BALANCE	26,298.98	***SERVICE CHARGE AMOUNT	258.46
LESS RESERVE REQUIRED	.00		
AVERAGE AVAILABLE BALANCE	26,298.98		
LESS BALANCE REQUIRED	-325,852.85		
NET AVAILABLE BALANCE	-299,553.87		
TOTAL DEFICIT BALANCE	-299,553.87		

R
11/9/18

Service Charge Detail

Group Account: 801891935590

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOUNT SERVICES					
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALYSIS					
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECURITY SUITE					
0183	251053	ACH POS PAY-ALERTS	545	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
PAYMENT CENTER					
2201	320000	PYMNT CNTR-PREMIER ACH & WIRES	1	70.0000	70.00
2202	320001	PYMNT CNTR-PREMIER ACCOUNTS	10	5.0000	50.00
		**NO CHARGE			
2202	320001	PYMNT CNTR-PREMIER ACCOUNTS	15	5.0000	75.00
BUSINESS ONLINE-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	19	.0000	.00

Service Charge Detail

Group Account: 801891935590

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
INFORMATION REPORTING					
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	209	.3500	73.15
TOTAL CHARGE FOR SERVICES					281.15
TOTAL NO CHARGE					50.00

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



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

Invoice

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

Account Analysis Statement

Group: 801891935590

Account: 01891935590

Analysis Period From 09/01/2018
To 09/30/2018
Statement Date 10/09/2018
Invoice Due Date* 10/30/2018

* Please remit the Total Amount Due of 529.33 before this date

Invoice Details

Group: 801891935590

Description

Previous Balance		545.91
Payments Received		
09/24/2018 Invoice # 8900000000048922	272.81	
09/24/2018 Invoice # 8900000000049346	2.23	
Grand Total Payments Received		275.04-
Account Summary of Charges		
Previous Invoice Balance		270.87
Total Past Due		270.87
Current Service Charges		258.46
Total Amount Due		529.33

Statement Period 09/01/2018 to 09/30/2018 Page 3 of 5

(please fold and tear here to remit this portion with your payment)

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

Group #: 801891935590
Invoice Date: 09/30/2018
Invoice #: 008900000000049757

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

Payment Due on 10/30/2018

Amount Due 529.33

Amount Enclosed:

\$

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

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



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

Invoice

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

Account Analysis Statement

Group: 801891935590

Account: 01891935590

Analysis Period From 09/01/2018
 To 09/30/2018
 Statement Date 10/09/2018

Account Summary Section

Public Fund Analyzed Checking Account: 01891935590

Balance Analysis		Service Charge Analysis	
AVERAGE BALANCE	26,298.98	EARNINGS CREDIT ALLOWANCE 1.050 %	22.69
LESS AVERAGE FLOAT	.00	TOTAL CHARGE FOR SERVICES	-281.15
AVERAGE COLLECTED BALANCE	26,298.98	NET CHARGE FOR SERVICES	-258.46
AVG POSITIVE COLLECTED BALANCE	26,298.98	***SERVICE CHARGE AMOUNT	258.46
LESS RESERVE REQUIRED @	.00		
AVERAGE AVAILABLE BALANCE	26,298.98		
LESS BALANCE REQUIRED	-325,852.85		
NET AVAILABLE BALANCE	-299,553.87		
TOTAL DEFICIT BALANCE	-299,553.87		

Service Charge Detail

Public Fund Analyzed Checking Account: 01891935590

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
GENERAL ACCOUNT SERVICES					
0021	010000	MONTHLY SERVICE FEE	1	13.0000	13.00
0104	010307	PAPERLESS STATEMENT	1	.0000	.00
ACCOUNT ANALYSIS					
3004	300100	ANALYSIS STATEMENT VIA EDI	1	15.0000	15.00
BUSINESS SECURITY SUITE					
0183	251053	ACH POS PAY-ALERTS	545	.0000	.00
1490	251050	ACH POS PAY ONLY ACCT	1	20.0000	20.00
PAYMENT CENTER					
2201	320000	PYMNT CNTR-PREMIER ACH & WIRES	1	70.0000	70.00
2202	320001	PYMNT CNTR-PREMIER ACCOUNTS	10	5.0000	50.00
		**NO CHARGE			
2202	320001	PYMNT CNTR-PREMIER ACCOUNTS	15	5.0000	75.00
BUSINESS ONLINE-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	19	.0000	.00

Service Charge Detail

Public Fund Analyzed Checking Account: 01891935590

Service Code	AFP Code	Service Description	Volume	Unit Price	Charge for Service
INFORMATION REPORTING					
4005	40001Z	INFO RPT-TRANS - MONTHLY MAINT	1	15.0000	15.00
4006	400230	INFO RPT-TRANS - PREV DAY SUMM	209	.3500	73.15
					<hr/>
TOTAL CHARGE FOR SERVICES					281.15
TOTAL NO CHARGE					50.00

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

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List Price	Variance	Comments
21	01 00 00	MONTHLY SERVICE FEE	13	1	\$ 13.00	\$ 13.00	\$ -	
104	01 03 07	PAPERLESS STATEMENT	0	1	\$ -	\$ -	\$ -	
3004	30 01 00	ANALYSIS STATEMENT VIA EDI	15	1	\$ 15.00	\$ 15.00	\$ -	
183	25 10 53	ACH POS PAY-ALERTS	0	545	\$ -	\$ -	\$ -	
1490	25 10 50	ACH POS PAY ONLY ACCT	20	1	\$ 20.00	\$ 20.00	\$ -	
2201	32 00 00	PYMNT CNTR-PREMIER ACH & WIRES	70	1	\$ 70.00	\$ 70.00	\$ -	
2202	32 00 01	PYMNT CNTR-PREMIER ACCOUNTS - NO CH	5	10	\$ 50.00	\$ -	\$ -	NO CHARGE
2202	32 00 01	PYMNT CNTR-PREMIER ACCOUNTS	5	15	\$ 75.00	\$ 75.00	\$ -	
3702	40 00 ZZ	BOL COMPANY MAINT-BASIC	0	1	\$ -	\$ -	\$ -	
3722	40 00 ZZ	BOL ACCOUNT MAINT-BASIC	0	1	\$ -	\$ -	\$ -	
3742	40 02 72	BOL PREVIOUS DAY ITEMS-BASIC	0	19	\$ -	\$ -	\$ -	
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	209	\$ 73.15	\$ 73.15	\$ -	
Total					\$ 331.15	\$ 281.15	\$ -	

Service Fee Total	\$ 281.15
Earnings Credit Allowance	\$ 22.69
Total	\$ 258.46



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:
Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$13.00.

Josh Mandel

CHAIRMAN

Stacey Cumberlander

SECRETARY

November 13, 2018

DATE

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

DATE: OCTOBER 11, 2018
 OFFICER: OFFICER LXM3B
 ANALYSIS PERIOD: SEPTEMBER 2018
 KEY ACCOUNT: 359681427431

ACCOUNT ANALYSIS INVOICE

INVOICE NUMBER	INVOICE DATE	PAYMENT PAYMENT DATE	PAYMENT DATE	ADJUSTMENTS	OUTSTANDING INVOICE BALANCE
18070001244	08-11-18	13.00	10-04-18		.00
18080001225	09-11-18				13.00
18090001509	10-11-18				13.00
TOTAL OUTSTANDING INVOICE BALANCES:					39.00
LESS TOTAL PAYMENTS RECEIVED:					13.00
TOTAL AMOUNT DUE:					26.00

** 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 \$0.00

TREASURER OF STATE

TOTAL AMOUNT DUE

26.00

ACCOUNT NUMBER: 359681427431

AMOUNT ENCLOSED:

MAIL PAYMENT TO:

APPLY TO THE FOLLOWING INVOICES:

KEYBANK NATIONAL ASSOCIATION
 ATTN: DEPARTMENT AA 0101
 P O BOX 901626
 CLEVELAND, OHIO 44190-1626

INVOICE NBR	INVOICE AMT	PAYMENT AMOUNT
18080001225	13.00	<u> </u>
18090001509	13.00	<u> </u>

RETURN THIS PORTION WITH YOUR REMITTANCE



KeyBank National Association
 Account Analysis, OH-01-51-2005
 4910 Tiedeman Road
 Brooklyn, OH 44144-2338

Account Analysis Statement September 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	(\$6,666.66)
Balance Deficiency/Surplus for Eligible Services	(\$6,666.66)

Billing Information	
Settlement Cycle	Monthly
Payment Method	Invoice
Billing Account	XXXXXXXXXX7431
Days in the Month	30

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

[Handwritten Signature]

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
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	\$6,356	\$105	\$0	\$0	\$105

^ 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



Account Analysis Statement

September 2018

Relationship Summary

Relationship Overview : *TREASURER OF STATE

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 Earnings Credit	Direct Service Charges	Earnings Credit Allowance
359681427431	*TREASURER OF STATE	2.38%	\$6,667	\$0	\$13	\$0	\$0
Total			\$6,667	\$0	\$13	\$0	\$0

^ All numbers in this section are rounded to the nearest whole dollar

* Notes the billing account for the relationship

Service Activity Summary			Total Service Charges
Service Codes	Services		
AFP01	General Account Services		\$10.00
AFP25	General ACH Services		\$3.00
Total			\$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	\$5,128.20
01 04 40	Electronic Analysis Statement	1	\$0.00	\$0.00	\$0.00
	AFP01 TOTAL			\$10.00	\$5,128.20
25	General ACH Services				
25 10 52	EPA Admin Fee/Month	1	\$3.00	\$3.00	\$1,538.46
	AFP25 TOTAL			\$3.00	\$1,538.46
Total				\$13.00	\$6,666.66



Account Analysis Statement September 2018

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	2.38%
Service Charge Multiplier	\$512.82
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	\$5,128.20
01 04 40	Electronic Analysis Statement	1	\$0.00	\$0.00	\$0.00
	AFP01 TOTAL			\$10.00	\$5,128.20
25	General ACH Services				
25 10 52	EPA Admin Fee/Month	1	\$3.00	\$3.00	\$1,538.46
	AFP25 TOTAL			\$3.00	\$1,538.46
	Total			\$13.00	\$6,666.66

Board of Deposit
KeyBank AOS Agency Collateral 7431 - September 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List Price	Variance	Comments
RPMDAYPL	00 00 06	# POSITIVE DAYS		0	30 \$ -	\$ -	\$ -	
DDAMAIN	01 00 00	MAINTENANCE		10	1 \$ 10.00	\$ 10.00	\$ -	
DDAANELC	01 04 40	ELECTRONIC ANALYSIS STATEMENT		0	1 \$ -	\$ -	\$ -	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH		3	1 \$ 3.00	\$ 3.00	\$ -	
Total					\$ 13.00	\$ 13.00	\$ -	

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



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$34,775.75.

Josh Mandel

CHAIRMAN

Stacey Cumberland

SECRETARY

November 13, 2018

DATE

TREASURER OF STATE
 REGULAR ACCOUNT
 30 E BROAD ST 10TH FL
 COLUMBUS OH 43215-3414

DATE: OCTOBER 11, 2018
 OFFICER: OFFICER LXM3B
 ANALYSIS PERIOD: SEPTEMBER 2018
 KEY ACCOUNT: 14511001050

ACCOUNT ANALYSIS INVOICE

INVOICE NUMBER	INVOICE DATE	PAYMENT	PAYMENT DATE	ADJUSTMENTS	OUTSTANDING INVOICE BALANCE
18070000922	08-11-18	37,986.54	10-04-18		.00
18080000896	09-11-18				37,222.50
18090001180	10-11-18				34,775.75
TOTAL OUTSTANDING INVOICE BALANCES:					109,984.79
LESS TOTAL PAYMENTS RECEIVED:					37,986.54
TOTAL AMOUNT DUE:					71,998.25

** 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 \$0.00

TREASURER OF STATE TOTAL AMOUNT DUE 71,998.25
 ACCOUNT NUMBER: 14511001050 AMOUNT ENCLOSED: _____
 MAIL PAYMENT TO: APPLY TO THE FOLLOWING INVOICES:
 KEYBANK NATIONAL ASSOCIATION INVOICE NBR INVOICE AMT PAYMENT AMOUNT
 ATTN: DEPARTMENT AA 0101 18080000896 37,222.50 _____
 P O BOX 901626 18090001180 34,775.75 _____
 CLEVELAND, OHIO 44190-1626

RETURN THIS PORTION WITH YOUR REMITTANCE



KeyBank National Association
 Account Analysis, OH-01-51-2005
 4910 Tiedeman Road
 Brooklyn, OH 44144-2338

Account Analysis Statement September 2018

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

Relationship Overview : *TREASURER OF STATE

Balance Summary	
Average Ledger Balance	\$166,659,771.11
LESS: Average Float	(\$15,491,984.79)
Average Collected Balance	\$151,167,786.32
Average Negative Collected Balance	(\$2,559.27)
Average Positive Collected Balance	\$151,170,345.60
LESS: Compensating Balance	(\$139,247,066.07)
Balance Available to Support Services	\$11,923,279.53
LESS: Balance Needed To Support Services	(\$29,779,910.58)
Balance Deficiency/Surplus for Eligible Services	(\$17,856,631.05)

Billing Information	
Settlement Cycle	Monthly
Payment Method	Invoice
Billing Account	XXXXXXXX1050
Days in the Month	30

Service Charge Summary	
Service Charges Eligible for Earnings Credit	\$58,071.10
LESS: Adjustment	(\$45.00)
Adjusted Service Charges Eligible for Earnings Credit	\$58,026.10
LESS: Earnings Credit Allowance	(\$23,250.35)
Service Charges Due	\$34,775.75

R. Rialto

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
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
YTD	\$188,877,797	\$174,549,369	\$12,142,161	\$45,945,825	\$748,020	\$202,033	\$0	\$545,774

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



KeyBank National Association
Account Analysis, OH-01-51-2005
4910 Tiedeman Road
Brooklyn, OH 44144-2338

Account Analysis Statement September 2018

Relationship Overview : *TREASURER OF STATE

^ All numbers in this section are rounded to the nearest whole dollar



Relationship Summary

Relationship Overview : *TREASURER OF STATE

Accounts in Relationship: 63

Accounts Analyzed ^

Non Interest Bearing Accounts

Account Number	Account Name	Earnings Credit Rate	Balance Needed to Support Services	Balance Available to Support Services	Service Charges Eligible for Earnings Credit	Direct Service Charges	Earnings Credit Allowance
14511001050	*TREASURER OF STATE	2.38%	\$17,749,249	\$0	\$34,611	\$0	\$0
14511001100	TREASURER OF STATE	2.38%	\$213,972	\$247	\$417	\$0	\$0
14511001225	TREASURER OF STATE	2.38%	\$81,449	\$0	\$159	\$0	\$0
14511002447	TREASURER OF STATE	2.38%	\$9,372	\$0	\$18	\$0	\$0
14511002454	TREASURER OF STATE	2.38%	\$9,013	\$0	\$18	\$0	\$0
14511002462	TREASURER OF STATE	2.38%	\$18,551	\$0	\$36	\$0	\$0
14511002470	TREASURER OF STATE	2.38%	\$99,026	\$0	\$193	\$0	\$0
14511002488	TREASURER OF STATE	2.38%	\$1,865,408	\$0	\$3,638	\$0	\$0
354511001688	TREASURER OF STATE	2.38%	\$12,256	\$0	\$24	\$0	\$0
354511002793	TREASURER OF STATE	2.38%	\$8,821	\$0	\$17	\$0	\$0
359681004818	TREASURER OF STATE	2.38%	\$125,411	\$0	\$245	\$0	\$0
359681036752	TREASURER OF STATE	2.38%	\$8,718	\$0	\$17	\$0	\$0
359681092367	TREASURER OF STATE	2.38%	\$316,256	\$0	\$617	\$0	\$0
359681099438	TREASURER OF STATE	2.38%	\$10,462	\$0	\$20	\$0	\$0
359681107165	TREASURER OF STATE	2.38%	\$6,949	\$0	\$14	\$0	\$0
359681113973	TREASURER OF STATE	2.38%	\$14,205	\$0	\$28	\$0	\$0
359681120929	TREASURER OF STATE	2.38%	\$83,987	\$0	\$164	\$0	\$0
359681120952	TREASURER OF STATE	2.38%	\$46,705	\$0	\$91	\$0	\$0
359681129375	TREASURER OF STATE	2.38%	\$20,769	\$0	\$41	\$0	\$0
359681130506	TREASURER OF STATE	2.38%	\$77,436	\$0	\$151	\$0	\$0
359681147740	TREASURER OF STATE	2.38%	\$6,795	\$91	\$13	\$0	\$0
359681150413	TREASURER OF STATE	2.38%	\$18,138	\$0	\$35	\$0	\$0
359681156428	TREASURER OF STATE	2.38%	\$15,269	\$0	\$30	\$0	\$0
359681163028	TREASURER OF STATE	2.38%	\$6,667	\$880	\$13	\$0	\$2
359681172128	TREASURER OF STATE	2.38%	\$7,923	\$4,420	\$15	\$0	\$9
359681172136	TREASURER OF STATE	2.38%	\$6,667	\$1,173	\$13	\$0	\$2
359681177572	TREASURER OF STATE	2.38%	\$10,526	\$0	\$21	\$0	\$0
359681181921	TREASURER OF STATE	2.38%	\$11,090	\$0	\$22	\$0	\$0
359681183448	TREASURER OF STATE	2.38%	\$8,962	\$0	\$17	\$0	\$0
359681197869	TREASURER OF STATE	2.38%	\$47,590	\$550,000	\$93	\$0	\$1,073
359681211991	STATE OF OHIO OBM WELFARE	2.38%	\$2,517,344	\$0	\$4,909	\$0	\$0
359681212064	STATE OF OHIO OBM MEDICAID	2.38%	\$761,756	\$0	\$1,485	\$0	\$0
359681212072	STATE OF OHIO OBM VENDOR	2.38%	\$1,716,921	\$0	\$3,348	\$0	\$0
359681237483	TREASURER OF STATE	2.38%	\$8,962	\$0	\$17	\$0	\$0
359681237491	TREASURER OF STATE	2.38%	\$43,949	\$75,989	\$86	\$0	\$148
359681245668	STATE OF OHIO	2.38%	\$383,051	\$0	\$747	\$0	\$0
359681245692	STATE OF OHIO	2.38%	\$2,021,524	\$0	\$3,942	\$0	\$0
359681296968	TREASURER OF STATE	2.38%	\$10,103	\$38	\$20	\$0	\$0
359681318788	STATE OF OHIO	2.38%	\$12,923	\$0	\$25	\$0	\$0
359681324307	OHIO DEPARTMENT OF	2.38%	\$16,263	\$0	\$32	\$0	\$0
359681341533	OHIO DEPARTMENT OF	2.38%	\$12,013	\$0	\$23	\$0	\$0
359681341541	OHIO DEPARTMENT OF	2.38%	\$32,359	\$0	\$63	\$0	\$0
359681342838	STATE OF OHIO	2.38%	\$5,551	\$11,290,441	\$11	\$0	\$22,016
359681362950	TREASURER OF STATE	2.38%	\$15,897	\$0	\$31	\$0	\$0
359681362968	TREASURER OF STATE	2.38%	\$13,538	\$0	\$26	\$0	\$0
359681367348	TREASURER OF STATE	2.38%	\$8,769	\$0	\$17	\$0	\$0
359681367355	TREASURER OF STATE	2.38%	\$8,718	\$0	\$17	\$0	\$0
359681367363	TREASURER OF STATE	2.38%	\$9,410	\$0	\$18	\$0	\$0



Relationship Summary

Relationship Name : *TREASURER OF STATE

Accounts Analyzed^ - Continued							
Account Number	Account Name	Earnings Credit Rate	Balance Needed to Support Services	Balance Available to Support Services	Service Charges Eligible for Earnings Credit	Direct Service Charges	Earnings Credit Allowance
359681375382	TREASURER OF STATE	2.38%	\$8,718	\$0	\$17	\$0	\$0
359681395919	STATE OF OHIO DAS	2.38%	\$8,718	\$0	\$17	\$0	\$0
359681398533	TREASURER OF STATE	2.38%	\$7,179	\$0	\$14	\$0	\$0
359681398541	TREASURER OF STATE	2.38%	\$17,615	\$0	\$34	\$0	\$0
359681409108	TREASURER OF STATE	2.38%	\$8,718	\$0	\$17	\$0	\$0
359681409116	TREASURER OF STATE	2.38%	\$11,923	\$0	\$23	\$0	\$0
359681415592	TREASURER OF STATE	2.38%	\$231,795	\$0	\$452	\$0	\$0
359681435707	TREASURER OF STATE	2.38%	\$7,179	\$0	\$14	\$0	\$0
359681481164	TREASURER OF STATE	2.38%	\$886,440	\$0	\$1,729	\$0	\$0
359681492963	TREASURER OF STATE	2.38%	\$9,038	\$0	\$18	\$0	\$0
Sub Total			\$29,714,013	\$11,923,280	\$57,943	\$0	\$23,250
Interest Bearing Accounts							
Account Number	Account Name	Earnings Credit Rate	Balance Needed to Support Services	Balance Available to Support Services	Service Charges Eligible for Earnings Credit	Direct Service Charges	Earnings Credit Allowance
359681260766	TREASURER OF STATE	2.38%	\$11,795	\$0	\$23	\$0	\$0
359681261657	TREASURER OF STATE	2.38%	\$11,795	\$0	\$23	\$0	\$0
359681261665	TREASURER OF STATE	2.38%	\$11,795	\$0	\$23	\$0	\$0
359683018600	TREASURER OF STATE	2.38%	\$18,718	\$0	\$37	\$0	\$0
359683035281	TREASURER OF STATE	2.38%	\$11,795	\$0	\$23	\$0	\$0
Sub Total			\$65,897	\$0	\$129	\$0	\$0
Total			\$29,779,911	\$11,923,280	\$58,071	\$0	\$23,250

^ All numbers in this section are rounded to the nearest whole dollar

* Notes the billing account for the relationship

Service Activity Summary		Total Service Charges
Service Codes	Services	
AFP00	Balance & Compensation Information	\$0.00
AFP01	General Account Services	\$1,024.00
AFP05	Lockbox Services	\$10.00
AFP10	Depository Services	\$18,582.23
AFP15	Paper Disbursement Services	\$265.39
AFP20	Paper Disb. Reconciliation Services	\$74.42
AFP25	General ACH Services	\$27,974.02
AFP26	ACH Concentration Services	\$0.00
AFP30	EDI Payment Services	\$180.20
AFP35	Wire and Other Funds Xfer Services	\$3,754.00
AFP40	Information Services	\$6,206.84
AFP45	Investment/Custody Services	\$0.00
AFP99	Undefined Services	\$0.00
Total		\$58,071.10



Account Analysis Statement September 2018

Relationship Summary

Relationship Name : *TREASURER OF STATE

Service Activity Details					
<i>Service Codes</i>	<i>Services</i>	<i>Quantity</i>	<i>Unit Price</i>	<i>Total Service Charges</i>	<i>Balance Needed To Support Services</i>
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	63	\$10.00	\$630.00	\$323,076.60
01 00 99	ZBA Concentration Account	6	\$10.00	\$60.00	\$30,769.20
01 00 99	ZBA Subsidiary Accounts	49	\$4.00	\$196.00	\$100,512.72
01 02 02	KeyNav ZBA Report	1	\$0.00	\$0.00	\$0.00
01 03 00	DDA Paper Statement	13	\$6.00	\$78.00	\$39,999.96
01 03 07	KeyNav Corp Banking Statement	124	\$0.00	\$0.00	\$0.00
01 03 99	DDA Stmt Special Cut	6	\$5.00	\$30.00	\$15,384.60
01 03 99	Statement Duplicate Copy	3	\$10.00	\$30.00	\$15,384.60
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			\$1,024.00	\$525,127.68
05	Lockbox Services				
05 04 00	KeyNav Receivables Base Fee	1	\$5.00	\$5.00	\$2,564.10
05 04 24	KeyNav LBX Image Base Fee	1	\$5.00	\$5.00	\$2,564.10
	AFP05 TOTAL			\$10.00	\$5,128.20
10	Depository Services				
10 00 00	Branch Deposited Cash	16,421.58	\$0.0005	\$8.21	\$4,210.63
10 01 00	Vault Deposited Cash	2,868,377.16	\$0.00109	\$3,126.53	\$1,603,347.68
10 01 12	Partial Coin Bag	60	\$3.00	\$180.00	\$92,307.60
10 01 4A	Vault Strap Out	690	\$0.20	\$138.00	\$70,769.16
10 01 41	Coin & Currency Auto	1	\$0.00	\$0.00	\$0.00
10 01 46	Vault Box Out	8	\$2.50	\$20.00	\$10,256.40
10 02 00	Deposits Branch\Night Drop Tkt	116	\$0.55	\$63.80	\$32,717.89
10 02 00	Deposits Key Capture Ticket	643	\$0.08	\$51.44	\$26,379.44
10 02 00	Deposits Key Image Cash Letter	78	\$0.08	\$6.24	\$3,199.99
10 02 00	Deposits Vault Ticket	23	\$0.08	\$1.84	\$943.58
10 02 1B	Electronic Item Clearing Fee	15,159	\$0.07	\$1,061.13	\$544,168.67
10 02 1B	ICL Clear Agent	85,602	\$0.07	\$5,992.14	\$3,072,889.23
10 02 1B	RDC Scanned Item	15,159	\$0.01	\$151.59	\$77,738.37
10 02 10	ICL On-Us	13,850	\$0.03	\$415.50	\$213,076.71
10 02 18	ICL Direct Send	142,277	\$0.03	\$4,268.31	\$2,188,874.73
10 02 24	Branch Per Item Charge	203	\$0.10	\$20.30	\$10,410.23
10 04 00	Check Charge Backs	175	\$1.00	\$175.00	\$89,743.50
10 04 02	Redeposited Returned	141	\$1.50	\$211.50	\$108,461.43
10 04 16	KeyNav Return Item Report	1	\$5.00	\$5.00	\$2,564.10
10 04 16	Return Advice Image Inquiry	1	\$0.00	\$0.00	\$0.00
10 04 16	Return Item Image	36	\$0.50	\$18.00	\$9,230.76
10 05 01	Vault Deposit Adjustment	10	\$1.00	\$10.00	\$5,128.20
10 06 00	Deposit Recon Maintenance	1	\$10.00	\$10.00	\$5,128.20



Account Analysis Statement

September 2018

Relationship Summary

Relationship Name : *TREASURER OF STATE

Service Activity Details - Continued					
<i>Service Codes</i>	<i>Services</i>	<i>Quantity</i>	<i>Unit Price</i>	<i>Total Service Charges</i>	<i>Balance Needed To Support Services</i>
10 06 10	Deposit Recon Per Deposit	47	\$0.10	\$4.70	\$2,410.25
10 99 99	ICL Monthly Fee	2	\$100.00	\$200.00	\$102,564.00
10 99 99	RDC Monthly Fee	81	\$28.00	\$2,268.00	\$1,163,075.76
10 99 99	RDC Reporting Module	1	\$0.00	\$0.00	\$0.00
10 99 99	RDC Setup Fee	7	\$25.00	\$175.00	\$89,743.50
	AFP10 TOTAL			\$18,582.23	\$9,529,340.01
15	Paper Disbursement Services				
15 00 30	Positive Pay Maintenance	2	\$5.00	\$10.00	\$5,128.20
15 01 00	Checks/Debits Paid	1,209	\$0.045	\$54.41	\$27,899.97
15 01 20	Positive Pay Per Item	1,221	\$0.02	\$24.42	\$12,523.06
15 03 22	Pospay/ Pymt Protection Return	10	\$0.00	\$0.00	\$0.00
15 04 10	KeyNav Stop Payment Entry	11	\$2.50	\$27.50	\$14,102.55
15 08 10	Check Book Charges	149.06	\$1.00	\$149.06	\$76,440.94
	AFP15 TOTAL			\$265.39	\$136,094.72
20	Paper Disb. Reconciliation Services				
20 00 10	Reconciliation Maintenance	2	\$10.00	\$20.00	\$10,256.40
20 01 10	Reconciliation Per Item	1,221	\$0.02	\$24.42	\$12,523.06
20 02 01	ARP Weekly Trans Input/Month	1	\$20.00	\$20.00	\$10,256.40
20 03 24	ARP Recon Paper Report	1	\$10.00	\$10.00	\$5,128.20
	AFP20 TOTAL			\$74.42	\$38,164.06
25	General ACH Services				
25 00 00	ACH Monthly Fee	10	\$10.00	\$100.00	\$51,282.00
25 01 00	Orig ACH Dr Via Direct Send	212,363	\$0.025	\$5,309.09	\$2,722,599.80
25 01 00	Originated ACH DB Via KeyNav	118	\$0.025	\$2.96	\$1,512.81
25 01 01	ACH Tax Payment Via KeyNav	3	\$0.50	\$1.50	\$769.23
25 01 01	Orig ACH Cr Via Direct Send	330,259	\$0.025	\$8,256.49	\$4,234,085.46
25 01 01	Originated ACH Cr Via KeyNav	19	\$0.025	\$0.48	\$243.58
25 01 20	ACH Addenda Originated	189,271	\$0.025	\$4,731.78	\$2,426,548.82
25 01 40	Originated Late File Surcharge	78	\$0.75	\$58.50	\$29,999.96
25 02 00	Incoming ACH Debit Item	27	\$0.025	\$0.69	\$346.14
25 02 01	Incoming ACH Credit Item	74,520	\$0.025	\$1,863.11	\$955,383.49
25 02 20	ACH Received Addenda	82,375	\$0.025	\$2,059.42	\$1,056,088.60
25 03 02	ACH Return Items	1,643	\$0.50	\$821.50	\$421,281.63
25 03 02	Unauthorized ACH Item Return	106	\$0.50	\$53.00	\$27,179.46
25 04 01	CAR,Noc,Rtn Rpt Via E-Mail	277	\$4.00	\$1,108.00	\$568,204.56
25 05 01	ACH Data Transmission	298	\$5.00	\$1,490.00	\$764,101.80
25 06 40	ACH Reversal Or Deletion	32	\$10.00	\$320.00	\$164,102.40
25 07 01	CAR Report Via KeyNav IR	1	\$5.00	\$5.00	\$2,564.10
25 07 01	Rtn ACH Converted Draft Rpt	1	\$0.00	\$0.00	\$0.00
25 07 01	Rtn ACH Resubmitted Via ACH Rpt	1	\$0.00	\$0.00	\$0.00
25 10 52	EPA Admin Fee/Month	60	\$3.00	\$180.00	\$92,307.60
25 10 70	ACH Noc	3,165	\$0.50	\$1,582.50	\$811,537.65
25 11 00	ACH Direct Monthly Maint	1	\$15.00	\$15.00	\$7,692.30



Account Analysis Statement

September 2018

Relationship Summary

Relationship Name : *TREASURER OF STATE

Service Activity Details - Continued					
<i>Service Codes</i>	<i>Services</i>	<i>Quantity</i>	<i>Unit Price</i>	<i>Total Service Charges</i>	<i>Balance Needed To Support Services</i>
25 11 00	KeyNav ACH Monthly Base Fee	1	\$15.00	\$15.00	\$7,692.30
	AFP25 TOTAL			\$27,974.02	\$14,345,523.69
26	ACH Concentration Services				
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	\$5,128.20
30 02 10	EDI Translation Fee/1000 Chara	1,208	\$0.025	\$30.20	\$15,487.16
30 02 25	KeyNav Intraday EDI Remit Rpt	1	\$45.00	\$45.00	\$23,076.90
30 02 25	KeyNav Previous Day EDI Report	1	\$0.00	\$0.00	\$0.00
30 05 00	EDI Per File Orig/Recd Fee	19	\$5.00	\$95.00	\$48,717.90
	AFP30 TOTAL			\$180.20	\$92,410.16
35	Wire and Other Funds Xfer Services				
35 01 00	KeyNav Domestic Repeat	10	\$5.00	\$50.00	\$25,641.00
35 01 03	KeyNav Domestic Nonrepeat	22	\$5.00	\$110.00	\$56,410.20
35 01 04	Batch Wire Domestic	5	\$8.00	\$40.00	\$20,512.80
35 01 13	KeyNav International Nonrepeat	4	\$10.00	\$40.00	\$20,512.80
35 01 20	KeyNav Internal Repeat	18	\$3.50	\$63.00	\$32,307.66
35 01 23	KeyNav Internal Nonrepeat	8	\$3.50	\$28.00	\$14,358.96
35 01 24	Batch Wire Internal Nonrepeat	49	\$2.00	\$98.00	\$50,256.36
35 03 00	Incoming Domestic Wire Manual	1	\$8.00	\$8.00	\$4,102.56
35 03 00	Incoming Domestic Wire Stp	408	\$8.00	\$3,264.00	\$1,673,844.48
35 04 11	Wire Mail Advice For Incoming	4	\$5.00	\$20.00	\$10,256.40
35 06 00	KeyNav Wire Maintenance	1	\$25.00	\$25.00	\$12,820.50
35 07 11	Incoming Internat'L Wire Stp	1	\$8.00	\$8.00	\$4,102.56
35 40 0Z	KeyNav In/Out Wire Rpt	1	\$0.00	\$0.00	\$0.00
	AFP35 TOTAL			\$3,754.00	\$1,925,126.28
40	Information Services				
40 00 12	KeyNav BAI2 Previous Day File	1	\$2.50	\$2.50	\$1,282.05
40 00 15	KeyNav BAI2 Intraday File	1	\$2.50	\$2.50	\$1,282.05
40 00 52	KeyNav Previous Day Report	124	\$1.75	\$217.00	\$111,281.94
40 00 55	KeyNav Intraday Report	124	\$1.75	\$217.00	\$111,281.94
40 01 10	BAI File Transfer Per Acct	155	\$5.00	\$775.00	\$397,435.50
40 01 10	BAI File Xfer Per Detail	163,576	\$0.014	\$2,290.06	\$1,174,390.62
40 01 10	BAI Per File Transfer Fee	63	\$2.50	\$157.50	\$80,769.15
40 02 10	KeyNav Online Access	3	\$0.00	\$0.00	\$0.00
40 02 71	KeyNav Pre Day Detail Items	81,999	\$0.016	\$1,311.98	\$672,811.63
40 02 74	KeyNav Intraday Detail Items	76,550	\$0.016	\$1,224.80	\$628,101.93
40 08 00	Long-Term Image Access	17	\$0.50	\$8.50	\$4,358.97
	AFP40 TOTAL			\$6,206.84	\$3,182,995.78
45	Investment/Custody Services				



Account Analysis Statement

September 2018

Relationship Summary

Relationship Name : *TREASURER OF STATE

Service Activity Details - Continued					
<i>Service Codes</i>	<i>Services</i>	<i>Quantity</i>	<i>Unit Price</i>	<i>Total Service Charges</i>	<i>Balance Needed To Support Services</i>
45 04 03	KeyNav Investments Confirm Rpt	1	\$0.00	\$0.00	\$0.00
	AFP45 TOTAL			\$0.00	\$0.00
99	Undefined Services				
99 99 99	Public Reloadable	1	\$0.00	\$0.00	\$0.00
	AFP99 TOTAL			\$0.00	\$0.00
	Total			\$58,071.10	\$29,779,910.58

Board of Deposit
KeyBank State Regular Account 6213 - September 2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	Unit Price	Variance	Comments
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	25	\$ -	\$ -	\$ -	
RPMDAYOD	00 00 08	# NEGATIVE DAYS	0	5	\$ -	\$ -	\$ -	
DDAODNCL	00 02 12	UNCOLLECTED FUND DIRECT CHARGE	0	0	\$ -	\$ -	\$ -	
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$ 10.00	\$ 10.00	\$ -	
DDAZBALD	01 00 99	ZBA CONCENTRATION ACCOUNT	10	1	\$ 10.00	\$ 10.00	\$ -	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$ 4.00	\$ 4.00	\$ -	
DDAOLZBA	01 02 02	KEYNAV ZBA REPORT	0	1	\$ -	\$ -	\$ -	
DDAOLDDA	01 03 07	KEYNAV CORP BANKING STATEMENT	0	124	\$ -	\$ -	\$ -	
DDASTSPC	01 03 99	DDA STMT SPECIAL CUT	5	3	\$ 15.00	\$ 15.00	\$ -	
DDAOLRPM	01 04 07	KEYNAV ANALYSIS STATEMENT	0	1	\$ -	\$ -	\$ -	
DDAANELC	01 04 40	ELECTRONIC ANALYSIS STATEMENT	0	1	\$ -	\$ -	\$ -	
DDAOL822	01 04 47	KEYNAV RPM 822 STATEMENT	0	1	\$ -	\$ -	\$ -	
DDAOLLBX	05 04 00	KEYNAV RECEIVABLES BASE FEE	5	1	\$ 5.00	\$ 5.00	\$ -	
DDAOLLIB	05 04 24	KEYNAV LBX IMAGE BASE FEE	5	1	\$ 5.00	\$ 5.00	\$ -	
DDAOTCSH	10 00 00	BRANCH DEPOSITED CASH	0.0005	4083.4	\$ 2.04	\$ 2.04	\$ (0.002)	Rounding
DDAVLTD	10 01 00	VAULT DEPOSITED CASH	0.00109	2868377.2	\$ 3,126.53	\$ 3,126.53	\$ (0.001)	Rounding
DDAVLTIB	10 01 12	PARTIAL COIN BAG	3	60	\$ 180.00	\$ 180.00	\$ -	
DDAVLTOT	10 01 4A	VAULT STRAP OUT	0.2	690	\$ 138.00	\$ 138.00	\$ -	
DDAVLCNA	10 01 41	COIN & CURRENCY AUTO	0	1	\$ -	\$ -	\$ -	
DDAVLTOT	10 01 46	VAULT BOX OUT	2.5	8	\$ 20.00	\$ 20.00	\$ -	
DDADPBRN	10 02 00	DEPOSITS BRANCH(NIGHT DROP TKT	0.55	50	\$ 27.50	\$ 27.50	\$ -	
DDADPKCP	10 02 00	DEPOSITS KEY CAPTURE TICKET	0.08	355	\$ 28.40	\$ 28.40	\$ -	
DDADPKPL	10 02 00	DEPOSITS KEY IMAGE CASH LETTER	0.08	78	\$ 6.24	\$ 6.24	\$ -	
DDADPVL	10 02 00	DEPOSITS VAULT TICKET	0.08	23	\$ 1.84	\$ 1.84	\$ -	
DDAITEAG	10 02 1B	ELECTRONIC ITEM CLEARING FEE	0.07	14692	\$ 1,028.44	\$ 1,028.44	\$ -	
DDAKCPA	10 02 1B	ICL CLEAR AGENT	0.07	85602	\$ 5,992.14	\$ 5,992.14	\$ -	
DDAKSCN	10 02 1B	RDC SCANNED ITEM	0.01	14692	\$ 146.92	\$ 146.92	\$ -	
DDAKCPOU	10 02 10	ICL ON-US	0.03	13850	\$ 415.50	\$ 415.50	\$ -	
DDAKCPDS	10 02 18	ICL DIRECT SEND	0.03	142277	\$ 4,268.31	\$ 4,268.31	\$ -	
DDAITUOH	10 02 24	BRANCH PER ITEM CHARGE	0.1	136	\$ 13.60	\$ 13.60	\$ -	
DDAVTRRT	10 04 00	CHECK CHARGE BACKS	1	173	\$ 173.00	\$ 173.00	\$ -	
DDAREDEP	10 04 02	REDEPOSITED/RETURNED	1.5	141	\$ 211.50	\$ 211.50	\$ -	
DDAOLRIR	10 04 16	KEYNAV RETURN ITEM REPORT	5	1	\$ 5.00	\$ 5.00	\$ -	
DDAOLRTA	10 04 16	RETURN ADVISE IMAGE INQUIRY	0	1	\$ -	\$ -	\$ -	
DDAVTIIM	10 04 16	RETURN ITEM IMAGE	0.5	36	\$ 18.00	\$ 18.00	\$ -	
DDAVLTDA	10 05 01	VAULT DEPOSIT ADJUSTMENT	1	10	\$ 10.00	\$ 10.00	\$ -	
DDAKCMTH	10 99 99	RDC MONTHLY FEE	28	27	\$ 756.00	\$ 756.00	\$ -	
DDAKCPMN	10 99 99	ICL MONTHLY FEE	100	2	\$ 200.00	\$ 200.00	\$ -	
DDAPOS	15 00 30	POSITIVE PAY MAINTENANCE	5	1	\$ 5.00	\$ 5.00	\$ -	
DDAOLRTN	15 03 22	POSPAY/ PYMT PROTECTION RETURN	0	10	\$ -	\$ -	\$ -	
DDAOLSTP	15 04 10	KEYNAV STOP PAYMENT ENTRY	2.5	11	\$ 27.50	\$ 27.50	\$ -	
DDAACKBK	15 08 10	CHECK BOOK CHARGES	1	149.1	\$ 149.06	\$ 149.06	\$ -	
DDARBAS1	20 00 10	RECONCILIATION MAINTENANCE	10	1	\$ 10.00	\$ 10.00	\$ -	
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	4	\$ 40.00	\$ 40.00	\$ -	
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	202840	\$ 5,071.00	\$ 5,071.00	\$ -	
DDACHDR5	25 01 00	ORIGINATED ACH DB VIAKEYNAV	0.025	111	\$ 2.78	\$ 2.78	\$ 0.005	Rounding
DDACHCR1	25 01 01	ORIG ACH CR VIA DIRECT SEND	0.025	10	\$ 0.25	\$ 0.25	\$ -	
DDACHCR5	25 01 01	ORIGINATED ACH CR VIA KEYNAV	0.025	19	\$ 0.48	\$ 0.48	\$ 0.005	Rounding
DDACTAX	25 01 01	ACH TAX PAYMENT VIA KEYNAV	0.5	3	\$ 1.50	\$ 1.50	\$ -	
DDACHADD	25 01 20	ACH ADDENDA ORIGINATED	0.025	2354	\$ 58.85	\$ 58.85	\$ -	
DDACHLFS	25 01 40	ORIGINATED LATE FEE SURCHARGE	0.75	37	\$ 27.75	\$ 27.75	\$ -	
DDACHDR2	25 02 00	INCOMING ACH DEBIT ITEM	0.025	1	\$ 0.03	\$ 0.03	\$ 0.005	Rounding
DDACHCR2	25 02 01	INCOMING ACHCREDIT ITEM	0.025	1446	\$ 36.15	\$ 36.15	\$ -	
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	2157	\$ 53.93	\$ 53.93	\$ 0.005	Rounding
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	1168	\$ 584.00	\$ 584.00	\$ -	
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	94	\$ 47.00	\$ 47.00	\$ -	
DDACHRPT	25 04 01	CARNOCTR N RPT VIA E-MAIL	4	59	\$ 236.00	\$ 236.00	\$ -	
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	126	\$ 630.00	\$ 630.00	\$ -	
DDACHMNT	25 06 40	ACH REVERSAL OR DELETION	10	1	\$ 10.00	\$ 10.00	\$ -	
DDAOLAE	25 07 01	RTN ACH CONVERTED DRAFT RPT	0	1	\$ -	\$ -	\$ -	
DDAOLAE	25 07 01	RTN ACH RESUBMITTED VIA ACH RPT	0	1	\$ -	\$ -	\$ -	
DDAOLCAR	25 07 01	CAR REPORT VIA KEYNAV IR	5	1	\$ 5.00	\$ 5.00	\$ -	
DDAEPAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$ 3.00	\$ 3.00	\$ -	
DDACHNOC	25 10 70	ACH NOC	0.5	2784	\$ 1,392.00	\$ 1,392.00	\$ -	
DDAOLCHA	25 11 00	KEYNAV ACH MONTHLY BASE FEE	15	1	\$ 15.00	\$ 15.00	\$ -	
DDAOLDIR	25 11 00	ACH DIRECT MONTHLY MAINT	15	1	\$ 15.00	\$ 15.00	\$ -	
DDAOLACH	26 04 00	ACH REPORTS	0	1	\$ -	\$ -	\$ -	
DDAOLEDI	30 02 25	KEYNAV PREVIOUS DAY EDI REPORT	0	1	\$ -	\$ -	\$ -	
DDAOLIED	30 02 25	KEYNAV INTRADAY EDI REMIT RPT	45	1	\$ 45.00	\$ -	\$ 45.000	
DDAOLDWR	35 01 00	KEYNAV DOMESTIC REPEAT	5	10	\$ 50.00	\$ 50.00	\$ -	
DDAOLDWN	35 01 03	KEYNAV DOMESTIC NONREPEAT	5	22	\$ 110.00	\$ 110.00	\$ -	
DDABWIRD	35 01 04	BATCH WIRE DOMESTIC	8	2	\$ 16.00	\$ 16.00	\$ -	
DDAOLILN	35 01 13	KEYNAV INTERNATIONAL NONREPEAT	10	4	\$ 40.00	\$ 40.00	\$ -	
DDAOLITR	35 01 20	KEYNAV INTERNAL REPEAT	3.5	13	\$ 45.50	\$ 45.50	\$ -	
DDAOLITN	35 01 23	KEYNAV INTERNAL NONREPEAT	3.5	1	\$ 3.50	\$ 3.50	\$ -	
DDAWIR32	35 01 24	BATCH WIRE INTERNAL NONREPEAT	2	19	\$ 38.00	\$ 38.00	\$ -	
DDAFINMA	35 03 00	INCOMING DOMESTIC WIRE MANUAL	8	1	\$ 8.00	\$ 8.00	\$ -	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	347	\$ 2,776.00	\$ 2,776.00	\$ -	
DDAOLWIR	35 06 00	KEYNAV WIRE MAINTENANCE	25	1	\$ 25.00	\$ 25.00	\$ -	
DDAWIRNT	35 07 11	INCOMING INTERNAT'L WIRE STP	8	1	\$ 8.00	\$ 8.00	\$ -	
DDAOLUOW	35 40 02	KEYNAV IN/OUT WIRE RPT	0	1	\$ -	\$ -	\$ -	
DDAOLBAI	40 00 12	KEYNAV BAI2 PREVIOUS DAY FILE	2.5	1	\$ 2.50	\$ 2.50	\$ -	
DDAOLIBA	40 00 15	KEYNAV BAI2 INTRADAY FILE	2.5	1	\$ 2.50	\$ 2.50	\$ -	
DDAOLPDA	40 00 52	KEYNAV PREVIOUS DAY REPORT	1.75	124	\$ 217.00	\$ 217.00	\$ -	
DDAOLIDA	40 00 55	KEYNAV INTRADAY REPORT	1.75	124	\$ 217.00	\$ 217.00	\$ -	
DDAOLXAC	40 01 10	BAI FILE TRANSFER PER ACCT	5	155	\$ 775.00	\$ 775.00	\$ -	
DDAOLXBA	40 01 10	BAI PER FILE TRANSFER FEE	2.5	63	\$ 157.50	\$ 157.50	\$ -	
DDAOLXIT	40 01 10	BAI FILE XFERPER DETAIL	0.014	163576	\$ 2,290.06	\$ 2,290.06	\$ (0.004)	Rounding
DDAOLACC	40 02 10	KEYNAV ONLINE ACCESS	0	3	\$ -	\$ -	\$ -	
DDAOLITM	40 02 71	KEYNAV PRE DAY DETAIL ITEMS	0.016	81999	\$ 1,311.98	\$ 1,311.98	\$ (0.004)	Rounding

DDAOLIRD	40 02 74	KEYNAV INTRADAY DETAIL ITEMS	0.016	76550	\$	1,224.80	\$	1,224.80	\$	-	
DDAOLITA	40 08 00	LONG-TERM IMAGE ACCESS	0.5	17	\$	8.50	\$	8.50	\$	-	
DDAOLSWP	45 04 03	KEYNAV INVESTMENTS CONFIRM RPT	0	1	\$	-	\$	-	\$	-	
DDAPRPBR	99 99 99	PUBLIC RELOADABLE	0	1	\$	-	\$	-	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	25	\$	-	\$	-	\$	-	
RPMDAYOD	00 00 08	# NEGATIVE DAYS	0	5	\$	-	\$	-	\$	-	
DDAODNCL	00 02 12	UNCOLLECTED FUND DIRECT CHARGE	0	0	\$	-	\$	-	\$	-	
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDASTSPC	01 03 99	DDA STMT SPECIAL CUT	5	3	\$	15.00	\$	15.00	\$	-	
DDAPOSFA	15 00 30	POSITIVE PAY MAINTENANCE	5	1	\$	5.00	\$	5.00	\$	-	
DDACHECK	15 01 00	CHECKS/DEBITS PAID	0.045	1209	\$	54.41	\$	54.41	\$	0.005	Rounding
DDAPOSF1	15 01 20	POSITIVE PAY PER ITEM	0.02	1221	\$	24.42	\$	24.42	\$	-	
DDARBAS1	20 00 10	RECONCILIATION MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAARF11	20 01 10	RECONCILIATION PER ITEM	0.02	1221	\$	24.42	\$	24.42	\$	-	
DDAPTR1	20 02 01	ARP WEEKLY TRANS INPUT/MONTH	20	1	\$	20.00	\$	20.00	\$	-	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-	
DDABWIRD	35 01 04	BATCH WIRE DOMESTIC	8	3	\$	24.00	\$	24.00	\$	-	
DDAOLITN	35 01 23	KEYNAV INTERNAL NONREPEAT	3.5	6	\$	21.00	\$	21.00	\$	-	
DDAWIR32	35 01 24	BATCH WIRE INTERNAL NONREPEAT	2	1	\$	2.00	\$	2.00	\$	-	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	25	\$	200.00	\$	200.00	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBALD	01 00 99	ZBA CONCENTRATION ACCOUNT	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	2	\$	20.00	\$	20.00	\$	-	
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	103	\$	2.58	\$	2.58	\$	0.005	Rounding
DDACHLFS	25 01 40	ORIGINATED LATE FILE SURCHARGE	0.75	3	\$	2.25	\$	2.25	\$	-	
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	21	\$	105.00	\$	105.00	\$	-	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-	
DDAWIR32	35 01 24	BATCH WIRE INTERNAL NONREPEAT	2	1	\$	2.00	\$	2.00	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	28	\$	0.70	\$	0.70	\$	-	
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	23	\$	0.58	\$	0.58	\$	0.005	Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	13	\$	0.33	\$	0.33	\$	0.005	Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	10	\$	0.25	\$	0.25	\$	-	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	73	\$	1.83	\$	1.83	\$	0.005	Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	54	\$	1.35	\$	1.35	\$	-	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	2	\$	16.00	\$	16.00	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-	
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	2853	\$	71.33	\$	71.33	\$	0.005	Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	2991	\$	74.78	\$	74.78	\$	0.005	Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-	
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	3	\$	24.00	\$	24.00	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	4	\$	-	\$	-	\$	-	
RPMDAYOD	00 00 08	# NEGATIVE DAYS	0	26	\$	-	\$	-	\$	-	
DDAODNCL	00 02 12	UNCOLLECTED FUND DIRECT CHARGE	0	0	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDACHDR2	25 02 00	INCOMING ACH DEBIT ITEM	0.025	1	\$	0.03	\$	0.03	\$	0.005	Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	68117	\$	1,702.93	\$	1,702.93	\$	0.005	Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	76704	\$	1,917.60	\$	1,917.60	\$	-	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-	
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	6	\$	0.15	\$	0.15	\$	-	
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	30	\$	0.75	\$	0.75	\$	-	
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-	
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-	
DDAMAIN1	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-	
DDAOTCSH	10 00 00	BRANCH DEPOSITED CASH	0.0005	1273	\$	0.64	\$	0.64	\$	0.004	Rounding
DDADPBRN	10 02 00	DEPOSITS BRANCH NIGHT DROP TKT	0.55	37	\$	20.35	\$	20.35	\$	-	
DDADPKCP	10 02 00	DEPOSITS KEY CAPTURE TICKET	0.08	5	\$	0.40	\$	0.40	\$	-	
DDAITEAG	10 02 1B	ELECTRONIC ITEM CLEARING FEE	0.07	93	\$	6.51	\$	6.51	\$	-	
DDAKSCCN	10 02 1B	RDC SCANNED ITEM	0.01	93	\$	0.93	\$	0.93	\$	-	
DDAITUOH	10 02 24	BRANCH PER ITEM CHARGE	0.1	40	\$	4.00	\$	4.00	\$	-	
DDARBAS3	10 06 00	DEPOSIT RECON MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-	
DDAARCR1	10 06 10	DEPOSIT RECON PER DEPOSIT	0.1	47	\$	4.70	\$	4.70	\$	-	
DDAKCMTH	10 99 99	RDC MONTHLY FEE	28	1	\$	28.00	\$	28.00	\$	-	

DDARSPMA	20 03 24	ARP RECON PAPER REPORT	10	1	\$	10.00	\$	10.00	\$	-
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	1	\$	10.00	\$	10.00	\$	-
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	3157	\$	78.93	\$	78.93	\$	0.005 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	4	\$	0.10	\$	0.10	\$	-
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	6	\$	3.00	\$	3.00	\$	-
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	10	\$	50.00	\$	50.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	3088	\$	77.20	\$	77.20	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	440	\$	11.00	\$	11.00	\$	-
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	35	\$	17.50	\$	17.50	\$	-
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	6	\$	3.00	\$	3.00	\$	-
DDACHRPT	25 04 01	CARNOCRTN RPT VIA E-MAIL	4	120	\$	480.00	\$	480.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	22	\$	11.00	\$	11.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	68	\$	1.70	\$	1.70	\$	-
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	68	\$	1.70	\$	1.70	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	1	\$	0.03	\$	0.03	\$	0.005 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	1	\$	0.03	\$	0.03	\$	0.005 Rounding
DDAOLITN	35 01 23	KEYNAV INTERNAL NONREPEAT	3.5	1	\$	3.50	\$	3.50	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDASTDPS	01 03 99	STATEMENT DUPLICATE COPY	10	1	\$	10.00	\$	10.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	28	\$	0.70	\$	0.70	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	1450	\$	36.25	\$	36.25	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	41	\$	1.03	\$	1.03	\$	0.005 Rounding
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	5	\$	2.50	\$	2.50	\$	-
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	19	\$	95.00	\$	95.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	24	\$	12.00	\$	12.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	1	\$	10.00	\$	10.00	\$	-
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	824	\$	20.60	\$	20.60	\$	-
DDACHLFS	25 01 40	ORIGINATED LATE FILE SURCHARGE	0.75	38	\$	28.50	\$	28.50	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	19	\$	0.48	\$	0.48	\$	0.005 Rounding
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	3	\$	1.50	\$	1.50	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	26	\$	13.00	\$	13.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	137	\$	3.43	\$	3.43	\$	0.005 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	143	\$	3.58	\$	3.58	\$	0.005 Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDAEDPTR	30 02 10	EDI TRANSLATION FEE/1000 CHARA	0.025	20	\$	0.50	\$	0.50	\$	-
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	2	\$	16.00	\$	16.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	16	\$	128.00	\$	128.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAFDIB	00 02 30	DEPOSIT ASSESSMENT	0	0	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDACHDR2	25 02 00	INCOMING ACH DEBIT ITEM	0.025	2	\$	0.05	\$	0.05	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	4	\$	0.10	\$	0.10	\$	-
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	4	\$	0.10	\$	0.10	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDASTDPS	01 03 99	STATEMENT DUPLICATE COPY	10	1	\$	10.00	\$	10.00	\$	-
DDAOTCSH	10 00 00	BRANCH DEPOSITED CASH	0.0005	2540	\$	1.27	\$	1.27	\$	-
DDADPBRN	10 02 00	DEPOSITS BRANCH(NIGHT DROP TKT	0.55	8	\$	4.40	\$	4.40	\$	-
DDAITUOH	10 02 24	BRANCH PER ITEM CHARGE	0.1	17	\$	1.70	\$	1.70	\$	-
DDAVTRRT	10 04 00	CHECK CHARGE BACKS	1	1	\$	1.00	\$	1.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAINT	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	118	\$	2.95	\$	2.95	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	93	\$	2.33	\$	2.33	\$	0.005 Rounding
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	9	\$	4.50	\$	4.50	\$	-

DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	5	\$	2.50	\$	2.50	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	1	\$	0.50	\$	0.50	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDADPBRN	10 02 00	DEPOSITS BRANCH\NIGHT DROP TKT	0.55	1	\$	0.55	\$	0.55	\$	-
DDAITUOH	10 02 24	BRANCH PER ITEM CHARGE	0.1	9	\$	0.90	\$	0.90	\$	-
DDAVTRRT	10 04 00	CHECK CHARGE BACKS	1	1	\$	1.00	\$	1.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	21	\$	0.53	\$	0.53	\$	0.005 Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	2	\$	6.00	\$	6.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBASUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	33	\$	0.83	\$	0.83	\$	0.005 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	32	\$	0.80	\$	0.80	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	2	\$	6.00	\$	6.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	19	\$	0.48	\$	0.48	\$	0.005 Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDASTDPS	01 03 99	STATEMENT DUPLICATE COPY	10	1	\$	10.00	\$	10.00	\$	-
DDACHCR1	25 01 01	ORIG ACH CR VIA DIRECT SEND	0.025	11	\$	0.28	\$	0.28	\$	0.005 Rounding
DDACHADD	25 01 20	ACH ADDENDA ORIGINATED	0.025	11	\$	0.28	\$	0.28	\$	0.005 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	6	\$	0.15	\$	0.15	\$	-
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	4	\$	0.10	\$	0.10	\$	-
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	6	\$	30.00	\$	30.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	3	\$	24.00	\$	24.00	\$	-
DDAWIR19	35 04 11	WIRE MAIL ADVICE FOR INCOMING	5	3	\$	15.00	\$	15.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-
DDACHCR1	25 01 01	ORIG ACH CR VIA DIRECT SEND	0.025	91828	\$	2,295.70	\$	2,295.70	\$	-
DDACHADD	25 01 20	ACH ADDENDA ORIGINATED	0.025	91830	\$	2,295.75	\$	2,295.75	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	15	\$	0.38	\$	0.38	\$	0.005 Rounding
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	99	\$	49.50	\$	49.50	\$	-
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	37	\$	185.00	\$	185.00	\$	-
DDACHMNT	25 06 40	ACH REVERSAL OR DELETION	10	2	\$	20.00	\$	20.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	53	\$	26.50	\$	26.50	\$	-
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	1	\$	8.00	\$	8.00	\$	-
DDAWIR19	35 04 11	WIRE MAIL ADVICE FOR INCOMING	5	1	\$	5.00	\$	5.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	1	\$	10.00	\$	10.00	\$	-
DDACHCR1	25 01 01	ORIG ACH CR VIA DIRECT SEND	0.025	28156	\$	703.90	\$	703.90	\$	-
DDACHADD	25 01 20	ACH ADDENDA ORIGINATED	0.025	28156	\$	703.90	\$	703.90	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	5	\$	0.13	\$	0.13	\$	0.005 Rounding
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	6	\$	3.00	\$	3.00	\$	-
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	8	\$	40.00	\$	40.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	3	\$	1.50	\$	1.50	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-
DDACHMTH	25 00 00	ACH MONTHLY FEE	10	1	\$	10.00	\$	10.00	\$	-
DDACHCR1	25 01 01	ORIG ACH CR VIA DIRECT SEND	0.025	58519	\$	1,462.98	\$	1,462.98	\$	0.005 Rounding
DDACHADD	25 01 20	ACH ADDENDA ORIGINATED	0.025	57924	\$	1,448.10	\$	1,448.10	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	29	\$	0.73	\$	0.73	\$	0.005 Rounding
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	85	\$	42.50	\$	42.50	\$	-
DDATRMS2	25 05 01	ACH DATA TRANSMISSION	5	42	\$	210.00	\$	210.00	\$	-
DDACHMNT	25 06 40	ACH REVERSAL OR DELETION	10	1	\$	10.00	\$	10.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	32	\$	16.00	\$	16.00	\$	-
DDAEDIOR	30 00 00	MONTHLY EDI ORIGINATION FEE	5	2	\$	10.00	\$	10.00	\$	-
DDAEDITR	30 02 10	EDI TRANSLATION FEE/1000 CHARA	0.025	1188	\$	29.70	\$	29.70	\$	-
DDAEDITM	30 05 00	EDI PER FILE ORIG/RECD FEE	5	19	\$	95.00	\$	95.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	19	\$	0.48	\$	0.48	\$	0.005 Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-

RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	85	\$	2.13	\$	2.13	\$	0.005 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	51	\$	1.28	\$	1.28	\$	0.005 Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	2	\$	0.05	\$	0.05	\$	-
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	2	\$	0.05	\$	0.05	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	26	\$	0.65	\$	0.65	\$	-
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	28	\$	0.70	\$	0.70	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	27	\$	0.68	\$	0.68	\$	0.005 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	27	\$	0.68	\$	0.68	\$	0.005 Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDAWIRE1	35 03 00	INCOMING DOMESTIC WIRE STP	8	2	\$	16.00	\$	16.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	5	\$	0.13	\$	0.13	\$	0.005 Rounding
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	5	\$	0.13	\$	0.13	\$	0.005 Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	765	\$	19.13	\$	19.13	\$	0.005 Rounding
DDACHCR1	25 01 01	ORIG ACH CR VIA DIRECT SEND	0.025	9	\$	0.23	\$	0.23	\$	0.005 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	106	\$	2.65	\$	2.65	\$	-
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	38	\$	19.00	\$	19.00	\$	-
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	1	\$	0.50	\$	0.50	\$	-
DDACHRPT	25 04 01	CARNOCRTRN RPT VIA E-MAIL	4	98	\$	392.00	\$	392.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	9	\$	4.50	\$	4.50	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHDR1	25 01 00	ORIG ACH DR VIA DIRECT SEND	0.025	765	\$	19.13	\$	19.13	\$	0.005 Rounding
DDACHCR1	25 01 01	ORIG ACH CR VIA DIRECT SEND	0.025	9	\$	0.23	\$	0.23	\$	0.005 Rounding
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	106	\$	2.65	\$	2.65	\$	-
DDAACRT1	25 03 02	ACH RETURN ITEMS	0.5	38	\$	19.00	\$	19.00	\$	-
DDASDRET	25 03 02	UNAUTHORIZED ACH ITEM RETURN	0.5	1	\$	0.50	\$	0.50	\$	-
DDACHRPT	25 04 01	CARNOCRTRN RPT VIA E-MAIL	4	98	\$	392.00	\$	392.00	\$	-
DDACHNOC	25 10 70	ACH NOC	0.5	9	\$	4.50	\$	4.50	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDADPKCP	10 02 00	DEPOSITS KEY CAPTURE TICKET	0.08	283	\$	22.64	\$	22.64	\$	-
DDAITFAG	10 02 18	ELECTRONIC ITEM CLEARING FEE	0.07	374	\$	26.18	\$	26.18	\$	-
DDAKSCSN	10 02 18	RDC SCANNED ITEM	0.01	374	\$	3.74	\$	3.74	\$	-
DDAKCMTH	10 99 99	RDC MONTHLY FEE	28	53	\$	1,484.00	\$	1,484.00	\$	-
DDAKCRPT	10 99 99	RDC REPORTING MODULE	0	1	\$	-	\$	-	\$	-
DDAKCSET	10 99 99	RDC SETUP FEE	25	7	\$	175.00	\$	175.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBASB	01 00 99	ZBA SUBSIDIARY ACCOUNTS	4	1	\$	4.00	\$	4.00	\$	-
DDACHCR2	25 02 01	INCOMING ACH CREDIT ITEM	0.025	12	\$	0.30	\$	0.30	\$	-
DDACHRAD	25 02 20	ACH RECEIVED ADDENDA	0.025	13	\$	0.33	\$	0.33	\$	0.005 Rounding
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAPAPER	01 03 00	DDA PAPER STATEMENT	6	1	\$	6.00	\$	6.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-
DDAOLTR	35 01 20	KEYNAV INTERNAL REPEAT	3.5	5	\$	17.50	\$	17.50	\$	-
RPMDAYPL	00 00 06	# POSITIVE DAYS	0	30	\$	-	\$	-	\$	-
DDAFDICB	00 02 30	DEPOSIT ASSESSMENT	0	0	\$	-	\$	-	\$	-
DDAMAIN	01 00 00	MAINTENANCE	10	1	\$	10.00	\$	10.00	\$	-
DDAZBALD	01 00 99	ZBA CONCENTRATION ACCOUNT	10	1	\$	10.00	\$	10.00	\$	-
DDAEPAAD	25 10 52	EPA ADMIN FEE/MONTH	3	1	\$	3.00	\$	3.00	\$	-

\$.22 rounding diff added to the calculated total
\$45 incorr chrg - will be credited on the October statement, also added to the calculated total
\$45 incorr chrg from August is credited on this statement. Subtracted from the calculated total

Total \$ 58,071.10 \$ 58,025.88 \$ 45.22

Service Fee Total \$ 58,026.10
Earnings Credit Allowance \$ 23,250.35
Total \$ 34,775.75



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$7,568.47.

Josh Mandel

CHAIRMAN

Stacy Lumberlander

SECRETARY

November 5, 2018

DATE



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

Fee Invoice
STATE OF OH-REGULAR INVE 0900160
Services Provided for the Period: 08/31/2018 - 09/30/2018

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

STATE OF OH-REGULAR INVE AGENT FOR

Invoice Reference No: 0001FWWSF000 Billing Account Number: 0900160 Invoice Date: 10/03/2018 Payment Due Date: 11/02/2018

Invoice for Services and Expenses

Amount Due	Service Charges	Expense		Total
		Disbursements	Fee Refunds	
Outstanding Balance from Prior Invoice	17,197.59	0.00	0.00	17,197.59
Current Fees for Services and Expenses	7,576.47	0.00	8.00	7,584.47
Less Fee Collections	8,653.86	0.00	0.00	8,653.86
Please Pay this Amount	16,120.20	0.00	8.00	16,112.20

How to Contact Us:

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

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

Please include account number and invoice reference number on your check

Invoice
Return to KeyBank

001-10032018-000154

Handwritten notes:
11-11-18
11-11-18
11/2/18





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

Fee Invoice
 STATE OF OH-REGULAR INVE 0900160
 Services Provided for the Period: 08/31/2018 - 09/30/2018

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

STATE OF OH-REGULAR INVE AGENT FOR

Invoice Reference No: 0001FWWSTF000

Billing Account Number: 0900160

Invoice Date: 10/03/2018

Payment Due Date: 11/02/2018

Services for the Following Accounts/Portfolios

Portfolio Number	Name of Portfolio	Market Value for Fee Purposes
0900160.1	STATE OF OH-REGULAR INVEST-REG PRI USD	3,552,312,250
0900160.2	STATE OF OH-REGULAR INVEST CORP PRI USD	884,229,896
0900160.4	STATE OF OH-REGULAR CORE PRI USD	2,036,923,678
0900160.5	STATE OF OHIO-REGULAR INVT-TRES PRI USD	1,810,833,750
0900160.6	STATE OF OH-STRUCTURED INVT MISC PRI USD	325,064,177
0900160.8	STATE OF OH-OLC MEGA MILLIONS PRI USD	96,915,897
Total Market Value for Fee Purposes		8,706,279,448

Invoice for Services and Expenses

Amount Due	Service Charges	Disbursements	Expense Refunds	Total
Outstanding Balance from Prior Invoice	8,970.69	0.00	8.00	8,962.69
Current Fees for Services and Expenses	7,576.47	0.00	8.00	7,568.47
Less Fee Collections	8,653.86	0.00	0.00	8,653.86
Please Pay this Amount	16,120.20	0.00	8.00	16,112.20

How to Contact Us:

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

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

Please include account number and invoice reference number on your check

Invoice
 Client Copy

001-10032018-000154





Fee Invoice
 STATE OF OH-REGULAR INVE 0900160
 Services Provided for the Period: 08/31/2018 - 09/30/2018

Invoice for Service and Expenses

Invoice Reference No: 0001FWMSF000

Billing Account Number: 0900160

Invoice Date: 10/03/2018

Payment Due Date: 11/02/2018

Summary of Current Charges and Expenses

Base Currency: USD

Summary by Type

Fee Type Description	Quantity	Service Charges	Expense Disbursements	Total
Account Maintenance	8,706,279,448	6,892.47	0.00	6,892.47
Depository Eligible Trades - \$4	114	456.00	0.00	456.00
Depository Ineligible Trades - \$12	19	228.00	0.00	228.00
Total Current Charges and Expenses		7,576.47	0.00	7,576.47





Fee Invoice

STATE OF OH-REGULAR INVE 0900160
Services Provided for the Period:08/31/2018 - 09/30/2018

Invoice for Service and Expenses

Invoice Reference No: 0001FWWSF000

Billing Account Number: 0900160

Invoice Date: 10/03/2018

Payment Due Date: 11/02/2018

Summary of Current Charges and Expenses

Base Currency: USD

Summary by Account/Portfolio Detail

Portfolio Number	Name of Portfolio	Service Charges	Expense Disbursements	Total
0900160.1	STATE OF OH-REGULAR INVEST-REG PRI USD	3,316.25	0.00	3,316.25
0900160.2	STATE OF OH-REGULAR INVEST CORP PRI USD	708.02	0.00	708.02
0900160.4	STATE OF OH-REGULAR CORE PRI USD	1,660.57	0.00	1,660.57
0900160.5	STATE OF OHIO-REGULAR INVT - TRES PRI USD	1,449.57	0.00	1,449.57
0900160.6	STATE OF OH-STRUCTURED INVT MISC PRI USD	365.34	0.00	365.34
0900160.8	STATE OF OH-OLC MEGA MILLIONS PRI USD	76.72	0.00	76.72
Total Current Charges and Expenses		7,576.47	0.00	7,576.47



Fee Invoice

STATE OF OH-REGULAR INVE 0900160
Services Provided for the Period:08/31/2018 - 09/30/2018

Invoice for Service and Expenses

Invoice Reference No: 0001FWWSF000

Billing Account Number: 0900160

Invoice Date: 10/03/2018

Payment Due Date: 11/02/2018

Summary of Current Charges and Expenses

Base Currency: USD

Account Maintenance

Fee Period:

08/31/2018 to 09/30/2018

Allocation of Fee to Portfolios

Portfolio Number	Name of Portfolio	Quantity	Percent of Total	Fee for the Period
0900160.1	STATE OF OH-REGULAR INVEST-REG PRI USD	3,552,312.250	40.80%	2,812.25
0900160.2	STATE OF OH-REGULAR INVEST CORP PRI USD	884,229.696	10.16%	700.02
0900160.4	STATE OF OH-REGULAR CORE PRI USD	2,036,923.678	23.40%	1,612.57
0900160.5	STATE OF OHIO-REGULAR INVT-TRES PRI USD	1,810,833.750	20.80%	1,433.57
0900160.6	STATE OF OH-STRUCTURED INVT MISC PRI USD	325,064.177	3.73%	257.34
0900160.8	STATE OF OH-OLC MEGA MILLIONS PRI USD	96,915.897	1.11%	76.72
Total Fee for the Period				8,706,279.448
				100.00%
				6,892.47

Fee Calculations

Rate	Charge Breakpoint	Quantity	Estimated Annual Fee
0.0000095	1,000	1,000	0.01
0.0000095	0	8,706,278.448	82,709.65
Total		1,000	82,709.66
Total Fee for the Period			6,892.47

Depository Eligible Trades - \$4

Fee Period:

08/31/2018 to 09/30/2018

Allocation of Fee to Portfolios

Portfolio Number	Name of Portfolio	Quantity	Percent of Total	Fee for the Period
0900160.1	STATE OF OH-REGULAR INVEST-REG PRI USD	69	60.53%	276.00
0900160.2	STATE OF OH-REGULAR INVEST CORP PRI USD	2	1.75%	8.00
0900160.4	STATE OF OH-REGULAR CORE PRI USD	12	10.53%	48.00
0900160.5	STATE OF OHIO-REGULAR INVT-TRES PRI USD	4	3.51%	16.00
0900160.6	STATE OF OH-STRUCTURED INVT MISC PRI USD	27	23.68%	108.00
Total Fee for the Period				456.00
				100.00%
				456.00

Fee Calculations

Rate	Charge Breakpoint	Quantity	Estimated Annual Fee
4	0	114	456.00
Total		114	456.00
Total Fee for the Period			456.00





Fee Invoice
 STATE OF OH-REGULAR INVE 0900160
 Services Provided for the Period:08/31/2018 - 09/30/2018

Invoice Reference No: 0001FWWSF000

Billing Account Number: 0900160

Invoice Date: 10/03/2018

Payment Due Date: 11/02/2018

Summary of Current Charges and Expenses

Base Currency: USD

Depository Ineligible Trades - \$12

Allocation of Fee to Portfolios

Portfolio Number	Name of Portfolio	Quantity	Percent of Total	Fee for the Period
0900160.1	STATE OF OH-REGULAR INVEST-REG PRI USD	19	100.00%	228.00
Total Fee for the Period				19 100.00% 228.00

Fee Period: 08/31/2018 to 09/30/2018

Fee Calculations				
	Rate	Charge Breakpoint	Quantity	Estimated Annual Fee
Total	12	0	19	228.00
Total Fee for the Period				228.00

Total Current Charges and Expenses

7,568.47

Invoice Total

16,112.20



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 September 2018, are \$4,706.41.

Josh Mandel

CHAIRMAN

Stacy Lumberlander

SECRETARY

November 13, 2018

DATE

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

COLUMBUS OH 43215-3414

DATE: OCTOBER 11, 2018
 OFFICER: OFFICER LXM3B
 ANALYSIS PERIOD: SEPTEMBER 2018
 KEY ACCOUNT: 149681006396

ACCOUNT ANALYSIS INVOICE

INVOICE NUMBER	INVOICE DATE	PAYMENT PAYMENT	PAYMENT DATE	ADJUSTMENTS	OUTSTANDING INVOICE BALANCE
18070000940	08-11-18	11,304.94	09-25-18		.00
18080000912	09-11-18				7,281.55
18090001206	10-11-18				4,706.41
TOTAL OUTSTANDING INVOICE BALANCES:					23,292.90
LESS TOTAL PAYMENTS RECEIVED:					11,304.94
TOTAL AMOUNT DUE:					11,987.96

** 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 \$0.00

TREASURER OF STATE - OHIO

TOTAL AMOUNT DUE

11,987.96

ACCOUNT NUMBER: 149681006396

AMOUNT ENCLOSED:

MAIL PAYMENT TO:

APPLY TO THE FOLLOWING INVOICES:

KEYBANK NATIONAL ASSOCIATION
 ATTN: DEPARTMENT AA 0101
 P O BOX 901626
 CLEVELAND, OHIO 44190-1626

INVOICE NBR	INVOICE AMT	PAYMENT AMOUNT
18080000912	7,281.55	
18090001206	4,706.41	

RETURN THIS PORTION WITH YOUR REMITTANCE



KeyBank National Association
 Account Analysis, OH-01-51-2005
 4910 Tiedeman Road
 Brooklyn, OH 44144-2338

Account Analysis Statement September 2018

*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	(\$191,604.18)
LESS: Average Float	(\$0.00)
Average Collected Balance	(\$191,604.18)
Average Negative Collected Balance	(\$194,665.17)
Average Positive Collected Balance	\$3,060.98
Balance Available to Support Services	\$3,060.98
LESS: Balance Needed To Support Services	(\$2,416,595.01)
Balance Deficiency/Surplus for Eligible Services	(\$2,413,534.03)

Billing Information	
Settlement Cycle	Monthly
Payment Method	Invoice
Billing Account	XXXXXXXX6396
Days in the Month	30

Service Charge Summary	
Service Charges Eligible for Earnings Credit	\$4,712.37
LESS: Earnings Credit Allowance	(\$5.96)
Service Charges Due	\$4,706.41

AR 9/11/18

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
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	(\$99,187)	(\$99,187)	\$3,118	\$5,262,866	\$88,363	\$53	\$0	\$88,310

^ 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



Account Analysis Statement

September 2018

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 Earnings Credit	Direct Service Charges	Earnings Credit Allowance
149681006396	*TREASURER OF STATE - OHIO	2.38%	\$2,416,595	\$3,061	\$4,712	\$0	\$6
Total			\$2,416,595	\$3,061	\$4,712	\$0	\$6

^ All numbers in this section are rounded to the nearest whole dollar

* Notes the billing account for the relationship

Service Activity Summary			Total Service Charges
Service Codes	Services		
AFP00	Balance & Compensation Information		\$0.00
AFP01	General Account Services		\$0.00
AFP25	General ACH Services		\$0.00
AFP99	Undefined Services		\$4,712.37
Total			\$4,712.37

Service 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	134,639	\$0.035	\$4,712.37	\$2,416,595.01	
	AFP99 TOTAL			\$4,712.37	\$2,416,595.01	
Total				\$4,712.37	\$2,416,595.01	



Account Analysis Statement September 2018

Account Detail

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

AA

Account Number: 149681006396

Balance Summary	
Average Ledger Balance	(\$191,604.18)
LESS: Average Float	(\$0.00)
Average Collected Balance	(\$191,604.18)
Average Negative Collected Balance	(\$194,665.17)
Average Positive Collected Balance	\$3,060.98
Balance Available to Support Services	\$3,060.98

Rate and Other Information	
Earnings Credit Rate	2.38%
Service Charge Multiplier	\$512.82
Uncollected Funds Rate	0.00%

Service Charge Summary	
Service Charges Eligible for Earnings Credit	\$4,712.37
Earnings Credit Allowance	(\$5.96)
Service Charges Due	\$4,706.41

Service 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	134,639	\$0.035	\$4,712.37	\$2,416,595.01
	AFP99 TOTAL			\$4,712.37	\$2,416,595.01
	Total			\$4,712.37	\$2,416,595.01

Key Bank Account Analysis Verification - September 2018

Date	Key Bank File	Daily Reports	Difference
9/4/18	10,105	10,105	-
9/5/18	10,288	10,288	-
9/6/18	6,769	6,769	-
9/7/18	8,227	8,227	-
9/10/18	12,277	12,277	-
9/11/18	9,126	9,126	-
9/12/18	8,460	8,460	-
9/13/18	5,081	5,081	-
9/14/18	4,794	4,794	-
9/17/18	7,595	7,595	-
9/18/18	7,968	7,968	-
9/19/18	5,641	5,641	-
9/20/18	4,282	4,282	-
9/21/18	3,998	3,998	-
9/24/18	6,567	6,567	-
9/25/18	8,012	8,012	-
9/26/18	6,632	6,632	-
9/27/18	4,786	4,786	-
9/28/18	4,031	4,031	-
	134,639	134,639	-

Verified by:



Board of Deposit
 KeyBank State Regular Account 6396 - September2018

Bank Code	Service Code	Description	Unit Price	Total Units	Total Amount	List Price	Variance	Comments
DDAWARIM	99 99 99	WARRANT IMAGES DELIVERED	\$ 0.035	134,639	\$ 4,712.37	\$ 4,712.37	\$ -	Amounts taken from KTT analysis statement-not generated from 822 file. Fees verified with the BSA fee schedule. Quantity verified with Acctg Dept analysis.
Total					\$ 4,712.37	\$ 4,712.37	\$ -	

Service Fee Total	\$	4,712.37
Earnings Credit Allowance	\$	5.96
Total	\$	4,706.41



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 # 19W0009], are \$10.34.

Josh Mandel

CHAIRMAN

Stacy Cumberlander

SECRETARY

November 5, 2018

DATE

**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: 1
Invoice No: 19W0009
Consolidated Invoice No:
Invoice Date: 10/15/2018
Customer Number: BDP01
Payment Terms: NET 30
Due Date: 11/14/2018

Bill To:
Board of Deposits
Board of Deposits
30 E Broad St 9th Floor
Columbus OH 43215

AMOUNT DUE: 10.34 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	Adj	Identifier	Description	Quantity	UOM	Unit Amt	Net Amount
Purchase Order		Contract Number		From Date	To Date		
1		REG_CKSTCK	Reg. Warrant -Check Stock Chrg	19.00	EA	0.0300	0.57
				07/01/18	09/30/18		
2		REG_ENVLOP	Reg. Warrant - Envelope Charge	19.00	EA	0.0200	0.38
				07/01/18	09/30/18		
3		REG_FULFILL	Reg. Warrant -Fulfillment Chrg	19.00	EA	0.0750	1.43
				07/01/18	09/30/18		
4		REG_POSTAGE	Reg. Warrant - Postage Fees	19.00	EA	0.3780	7.18
				07/01/18	09/30/18		
5		REG_PRESORT	Reg. Warrant - Presort Fees	19.00	EA	0.0240	0.46
				07/01/18	09/30/18		
6		REG_PRINT	Reg. Warrant - Print Charge	19.00	EA	0.0170	0.32
				07/01/18	09/30/18		

SUBTOTAL: 10.34

TOTAL AMOUNT DUE : 10.34

OAKS SUPPLIER ID: DAS01
SUPPLIER ADDRESS CODE: 28
ISTV XREF: DASB

OK TO PAY

APPROVED BY: J. Wolf

DATE: 10/30/2018

STANDARD

Original

PO # 166

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: 2
Invoice No: 19W0009
Consolidated Invoice No:
Invoice Date: 10/15/2018
Customer Number: BDP01
Payment Terms: NET 30
Due Date: 11/14/2018

Bill To:
Board of Deposits
Board of Deposits
30 E Broad St 9th Floor
Columbus OH 43215

AMOUNT DUE: 10.34 USD

Amount Remitted

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.

Invoice Summary

SUBTOTAL of Invoice Details: 10.34

TOTAL AMOUNT DUE : 10.34

Favorites ▾ Main Menu ▾ Accounts Payable ▾ Vouchers ▾ Add/Update ▾ Regular Entry Home Worklist Add to Favorites Sign out



Summary Invoice Information Payments Voucher Attributes Error Summary

Business Unit BDP01
 Invoice Date 10/16/2018
 Voucher ID 00001629 Invoice No 19W0009
 Voucher Style Regular Invoice Total 10.34 USD
 Supplier Name DEPARTMENT OF ADMINISTRATIVE SERVICES Pay Terms Due Now
 30 E BROAD ST 40TH FLR Voucher Source Custom Interfaces
 COLUMBUS, OH 43215 Origin E84
 Entry Status Recycle Created On 10/16/2018 7:16PM
 Match Status No Match Created By OHBATCHAR
 Approval Status Pending Last Update 10/29/2018 9:40PM
 Post Status Unposted Modified By OHBATCHAR
 ERS Type Not Applicable
 Close Status Open

Budget Status Not Chk'd
Budget Misc Status Valid

*View Related Payment Inquiry

Save Return to Search Notify Refresh Add Update/Display

Summary | Invoice Information | Documents | Voucher Attributes | Error Summary

Ohio Treasurer of State
Fiscal Services
Warrant Journal Report

Report Distribution
Provided to :

Produced : Oct 30, 2018 5:07:27 PM

Filters

Business Unit : BDP01

Vendor ID :

Date Range : Between Jul 1, 2018 and Sep 30, 2018

ISTN = 2

RE CHECKS = 19 ✓

Warrant Journal Report

Payment Date: Between Jul 1, 2018 and Sep 30, 2018

Regular Mailed Payment - Giro - EFT

Vendor	Payment Date	Reference	Message	Invoice ID	Voucher ID	Voucher Gross Amount
DEPARTMENT OF ADMINISTRATIVE SERVICES	08/28/2018	0000510437	-	18W0097	00001604	11.29
						0000510437 Payment amount : \$11.29
TREASURER OF STATE	07/18/2018	0000506478	-	FY18_BDP_QTR3	00001576	50,200.00
						0000506478 Payment amount : \$50,200.00

2 Regular Mailed Payment - Giro - EFT payment(s) containing 2 voucher(s) with a total value of : \$50,211.29

Warrant Journal Report

Payment Date: Between Jul 1, 2018 and Sep 30, 2018

Regular Mailed Payment - System Check

Vendor	Payment Date	Reference	Message	Invoice ID	Voucher ID	Voucher Gross Amount
HUNTINGTON NATIONAL BANK	07/18/2018	0038285002	Account: 01891935590	0089000000000048131	00001601	133.89
		0038285002	Account: 01892345121	0089000000000048187	00001602	336.70
		0038285002	Account: 01892412957	0089000000000048200	00001597	134.38
		0038285002	Account: 01892413105	0089000000000048201	00001599	141.70
		0038285002	Account: 01892413134	0089000000000048202	00001598	140.22
		0038285002	Account: 01892977065	0089000000000048297	00001600	2,121.57
						0038285002 Payment amount : \$3,008.46
	08/28/2018	0038417673	Account: 01891935590	0089000000000048524	00001611	130.29
		0038417673	Account: 01892412957	0089000000000048594	00001615	130.76
		0038417673	Account: 01892413105	0089000000000048595	00001613	137.85
		0038417673	Account: 01892413134	0089000000000048596	00001614	136.42
		0038417673	Account: 01892977065	0089000000000048689	00001612	2,232.48
						0038417673 Payment amount : \$2,767.80
JP MORGAN CHASE & CO	09/20/2018	0038496307	Account: 01891935590	0089000000000048922	00001622	275.04
		0038496307	Account: 01892412957	0089000000000048993	00001626	130.53
		0038496307	Account: 01892413105	0089000000000048994	00001624	151.33
		0038496307	Account: 01892413134	0089000000000048995	00001625	136.37
		0038496307	Account: 01892977065	0089000000000049087	00001623	1,479.12
						0038496307 Payment amount : \$2,172.39
JP MORGAN CHASE & CO	07/18/2018	0038285094	Account: 001000000000704346915	0001000000001515103	00001603	451.43
	08/28/2018	0038417768	Account: 001000000000704346915	0001000000001516411	00001616	441.14
	09/20/2018	0038497203	Account: 001000000000704346915	0001000000001517733	00001627	447.24
						0038285094 Payment amount : \$451.43
						0038417768 Payment amount : \$441.14
						0038497203 Payment amount : \$447.24

Warrant Journal Report

Payment Date: Between Jul 1, 2018 and Sep 30, 2018

Regular Mailed Payment - System Check

Vendor	Payment Date	Reference	Message	Invoice ID	Voucher ID	Voucher Gross Amount
KEYBANK NATIONAL ASSOCIATION	07/18/2018	0038285137	Account 0900160	0001CEJ33000	00001594	8,079.17
					0038285137	Payment amount : \$8,079.17
		0038285138	Attn: Dept. AA 101 Account: 149681006396	18050000899	00001593	13,048.88
		0038285139	Attn: Catherine Rope Account: 14511001050	18050000880	00001595	48,148.91
		0038285139	Attn: Catherine Rope Account: 359681427431	18050001193	00001596	11.00
		0038285139	Account: 0900160	0001DFXL9000	0038285139	Payment amount : \$48,159.91
		0038417820	Attn: Dept. AA 101 Account: 149681006396	18060001502	00001608	8,577.19
		0038417821	Attn: Catherine Rope Account: 14511001050	18060001496	0038417820	Payment amount : \$8,577.19
		0038417823	Attn: Catherine Rope Account: 359681427431	18060001806	00001607	9,127.67
		0038417823	Account: 0900160	001E8ZY1000	0038417821	Payment amount : \$9,127.67
PNC BANK NA	09/20/2018	0038497347	Account 0900160	18070000922	00001609	32,927.38
					00001610	11.00
		0038497348	Attn: Dept. AA 101 Account: 149681006396	18070000940	0038417823	Payment amount : \$32,938.38
		0038497349	Attn: Catherine Rope Account: 14511001050	18070000922	00001619	8,653.86
		0038497349	Attn: Catherine Rope Account: 359681427431	18070001244	0038497347	Payment amount : \$8,653.86
					00001618	11,304.94
					0038497348	Payment amount : \$11,304.94
					00001620	37,986.54
					00001621	13.00
					0038497349	Payment amount : \$37,999.54
PNC BANK NA	07/18/2018	0038285595	Account: 0001629970	0118716879	00001592	970.58
		0038285595	Account: 0001629970	0218717026	00001591	868.81
		0038285595	Account: 0001629970	0318717157	00001590	965.40

Warrant Journal Report

Payment Date: Between Jul 1, 2018 and Sep 30, 2018

Regular Mailed Payment - System Check

Vendor	Payment Date	Reference	Message	Invoice ID	Voucher ID	Voucher Gross Amount
PNC BANK NA	07/18/2018				0038285595	Payment amount : \$2,804.79
	08/28/2018	0038418185	Account: 0001629970	0418717300	00001606	890.43
		0038418185	Account: 0001629970	0518717427	00001605	944.35
	09/20/2018	0038500009	Account: 0001629970	0618717573	0038418185	Payment amount : \$1,834.78
					00001617	899.88
					0038500009	Payment amount : \$899.88
US BANK NA	07/18/2018	0038286051	Account: 1-301-2139-9971	MAY 2018	00001589	1,567.97
					0038286051	Payment amount : \$1,567.97

19 Regular Mailed Payment - System Check payment(s) containing 38 voucher(s) with a total value of : \$194,285.42



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 Board of Deposit audit fees [statewide audit], are \$102.00.

Josh Mandel

CHAIRMAN

Stacy Cumberland

SECRETARY

November 5, 2018

DATE



Dave Yost
Ohio Auditor of State

Invoice for Services

How to Contact Us:
1-800-282-0370
Monday - Friday 8-4

Customer Number: 31C04

STATE BOARD OF DEPOSIT
JANE WOLFE, FISCAL OFFICER
30 E. BROAD ST, 10TH FLOOR
COLUMBUS OH 43215

Account Summary

Previous Balance	\$0.00
Current Charges	\$102.00
Payments, Credits	<u>\$0.00</u>
Current Balance	\$102.00
Statement Date:	10/31/2018
Payment Due Date:	11/30/2018

Transactions

10/31/2018	BILL0000000248973	IPA Agreed Upon Procedure - 31C04FRAN-AI118	\$102.00
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Now available! Payment by electronic check.
For more information, please visit
<https://eservices.ohioauditor.gov>

Current	1-30	31-60	61-90	91-120	120+
\$102.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

PLEASE RETURN BOTTOM PORTION WITH YOUR REMITTANCE



Dave Yost
Ohio Auditor of State

Balance Due: \$102.00
Payment Due Date: 11/30/2018
Customer Number: 31C04
Customer Name: STATE BOARD OF DEPOSIT

Make Check Payable To:
Treasurer of State of Ohio

Apply Payment To:
- IPA Agreed Upon Procedure -
31C04FRAN-AI118

Remit To:
Dave Yost
Auditor of State
Accounts Receivable Office
P.O. Box 711825
Cincinnati, OH 45271-1825

Amount Enclosed:



Current Invoice Charge Detail

Audit		Hours	Amount	
31C04FRAN-AI118	Blake, William B	10/2/2018 - 10/27/2018	1.00	\$68.00
	Liddil, Deborah L	10/2/2018 - 10/27/2018	0.50	\$34.00
BILL0000000248973			1.50	\$102.00



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 Board of Deposit fees for [invoice # 1161374 Rea & Associates Inc.] agreed upon procedure report for October 1, 2018 – October 31, 2018 are \$1,938.00.

Josh Mandel

CHAIRMAN

Stacey Cumberland

SECRETARY

November 5, 2018

DATE



Dave Yost
Ohio Auditor of State



***** Notification of Approved IPA Contract Invoice - Final *****

Jane Wolfe, Fiscal Officer
State Board of Deposit
30 E. Broad St, 10th Floor
Columbus, OH 43215

The following represents the billing information submitted to the Auditor of State IPA Portal for the engagement services of State Board of Deposit for the period 07/01/2017 through 06/30/2018. This IPA contract invoice is **approved** by the Auditor of State and can be processed for payment to the IPA listed below.

This represents our **Final** invoice for services in connection with the examination of the State Board of Deposit for the period 07/01/2017 through 06/30/2018.

IPA Contract Invoice Information

Firm FEIN: 34-1310124
Project Number: 31C04FRAN-AI118
IPA Invoice Number: 1161374

Engagement Services for the period of	10/1/2018 to 10/31/2018
Final Actual Hours	93.00
Current Invoice Amount	\$1,938.00
Cumulative Billed	\$9,486.00
Fixed Fee Contract Amount	\$9,486.00
Percent Complete	100.00%

Rea & Associates, Inc. hereby certifies that all amounts set forth in this invoice are properly due and payable for work performed by either Rea & Associates, Inc. or a qualified subcontractor.

Submitted by: Chad Welty on 10/31/2018

Please remit payment to: Invoice Amount: \$1,938.00

Rea & Associates, Inc.
122 Fourth Street N. W
New Philadelphia, OH 44663

Email: chad.welty@reacpa.com

***** Please do not send payments to Auditor of State *****



STATE BOARD OF DEPOSIT STATE OF OHIO

Members:

Josh Mandel, Chairman
Treasurer of State
Mike DeWine
Attorney General
Dave Yost
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 July 2018 – September 2018, are \$50,450.00.

Josh Mandel

CHAIRMAN

Stacey Cumberlander

SECRETARY

November 5, 2018

DATE

Interactive Voice Recognition Project
 1st Quarter (July 2018 through September 2018)
 Fiscal Year 2019
 Invoice Number: FY19_BDP_QTR1

Personal Services		Amount
	July 2018	
	IT Services - FTE	9,000.00
	Revenue Management - FTE	7,500.00
	August 2018	
	IT Services - FTE	9,000.00
	Revenue Management - FTE	7,500.00
	September 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.)	07/03/2018	00023722	350.00
US Bank (VoIP Street Inc.)	07/25/2018	00023839	200.00
US Bank (VoIP Street Inc.)	08/22/2018	00023972	200.00
US Bank (VoIP Street Inc.)	09/21/2018	00024138	200.00
	VoIP Connection Total		950.00

Invoice Total 50,450.00



JOSH MANDEL
STATE TREASURER OF OHIO

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

Handwritten signature of Josh Mandel in black ink, written over a horizontal line.

Mike DeWine
Attorney General

Handwritten signature of Mike DeWine in black ink, written over a horizontal line.

Dave Yost
Auditor of State

Handwritten signature of Dave Yost in black ink, written over a horizontal line.

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 build 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:

- **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.
- **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.
- **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 call 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.
- **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 in-house 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.