

ALBANY WATER BOARD
MINUTES OF REGULAR MEETING
December 18, 2015

A regular meeting of the Albany Water Board was officially convened at 9:30 AM, local time, in the Conference Room at the Albany Water Board, 10 North Enterprise Drive, Albany, New York Friday, December 18, 2015.

PRESENT: David McGuire, Chairman; William Clay, Vice Chairman; Daniel Ranellone, Rachel McEneny;

Board member Leo Dean passed away December 12, 2015

STAFF PRESENT: Joseph E. Coffey, Jr. PE, Commissioner, AWB; William Simcoe, P.E., Deputy Commissioner; Christopher Quirk, Chief Fiscal Officer, AWB; Elizabeth Romand, Confidential Assistant; Neil O'Connor, Engineer;

BOARD ADVISORS PRESENT: William Kahn, Rate Consultant; Kevin Hogan, Engineering Consultant; Annie Letterio, Corporation Counsel;

Chairman McGuire asked for a moment of silence and reflection in memory of Leo Dean, a member of the Albany Water Board since its inception, who passed away December 12.

Approval of November 20, 2015 Meeting Minutes

Chairman David McGuire introduced the minutes of the November 20, 2015 meeting. With no objection, the reading was dispensed and Chairman David McGuire called for a motion to approve the minutes of said meeting. A motion was made by Mr. Clay, seconded by Mr. Ranellone, and passed unanimously.

Public Comment Period

No public comments were made.

Water Bill Review Committee

There were no water billing appeals for review.

Rate Consultant's Report

Robert Hennes, Rate Consultant, submitted a report summarizing status of interest bearing accounts held by the Albany Water Board. The report is attached.

Committee & Staff Reports

Cash Flows and other combined Financial Information: Christopher Quirk, Chief Fiscal Officer, submitted a statement of the Albany Water Board and Albany Municipal Water Finance Authority's Cash Flows and other combined Financial Information for the one month period ending November 30, 2015. The detailed report is attached.

Key Performance Indicators and Critical Numbers Dashboard: Commissioner Coffey presented the monthly Key Performance Indicators as of the end of November, 2015 (attached). The Commissioner highlighted the Department Overtime Rate, which is essentially on budget, in comparison to this time last year when

Overtime was approximately 10% over budget, demonstrating the department's achieving the goal of keeping overtime costs under control this year.

Backwater Valve Grant: One new grant application has been received since the last reporting period and is in pending status at this time.

Grants and Financing: Deputy Commissioner William Simcoe submitted a summary report detailing the current grants approved, EFC financing, and project funding yet to be determined. The report is attached.

Consultant Engineer's Report: Kevin Hogan of ARCADIS presented the Consultant Engineer's Report which details progress on upcoming LTCP Projects and ARCADIS Projects (attached). All action items are occurring within scheduled time frames and progressing as expected.

Old Business

The Nature Conservancy submitted a summary report of financial projections detailing revenues and expenditures associated with The Carbon Offset Monetization Project. While the data represented in the report is conservative, the lasting benefit with this project is ensuring proactive management of our forestland, which directly impacts water quality at the Alcove Reservoir (report attached).

New Business

The Albany Water Board, as an economic development partner with the City of Albany and businesses and organizations, would like to invest in having the Board become a member of the Capital Chamber (formerly the Albany-Colonie Chamber of Commerce) at an annual membership fee of approximately \$900.00.

Executive Session

No Executive Session took place.

Resolutions

Resolution 15-46: To authorize the Commissioner to execute a new task order under the Master Services Agreement with CHA Engineers for Survey and Engineering work associated with the Lodge Street Waterline Replacement and Roadway Widening in the amount of \$38,500.

Resolution 15-47: To authorize the Commissioner to execute a new task order under the Master Services Agreement with CHA Engineers for Survey and Engineering work associated with the Bouck Street Regulator Optimization in the amount of \$26,500.

Resolution 15-48: To authorize the Chairman to execute Change Orders #1 (extension of time and adjustment of an allowance value in the contract) and #2 (added work in the amount of \$8,200) for work associated with the Contract for Feura Bush Filtration Plant Masonry Repairs and Roofing.

Resolution 15-49: Approving the Albany Water Board and Albany Municipal Water Finance Authority 2016 Budget Summary and Transfer Document prepared by UHY LLP.

Resolution 15-50: Awarding the "Albany Pool Communities Green Infrastructure Stormwater In-Lieu Fees and Stormwater Credit Banking Feasibility Study", a project which is part of the Long Term Control Plan for mitigation of Combined Sewer Overflow, to Arcadis of New York, Inc., 855 Route 155 Clifton Park, NY, in accordance with their proposal for RFP 2015-02, dated November, 20, 2015.

Chairman Dave McGuire informed all those in attendance that the next meeting of the AWB will be Friday, January 22nd at 9:30 a.m. in the AWB Conference Room.

Being no further business, Chairman McGuire called for a motion to adjourn the meeting. A motion was made by William Clay, seconded by Dan Ranellone and passed unanimously. The meeting was adjourned at 11:30 a.m.

Recorded by: Elizabeth A. Romand

Approved by: 
Chairman



Hugh Johnson Advisors, LLC

As of December 16, 2015

<u>Albany Water Board</u>	<u>Account No.</u>	<u>Market Value</u>	<u>Yield</u>	<u>Maturity</u>
M&T Bank - Board Expense	8891631650	12,555		
M&T Bank - Lock-Box	8891631536	312,436		
Operating & Maintenance Trust Acct	8891631668	4,030,652		
Fidelity Account Excess Funds	676-196705	6,526,494	0.92%	09/21/17
Fidelity Account On-Going Projects	676-202885	4,027,296	0.83%	02/28/17
Chase Ongoing Projects	573-8029988	<u>1,023,250</u>		
Total		15,932,683		

\$5.0m was transferred from Chase Ongoing Projects to M&T Bank in October. The money was used to complete 2015 Transfer Schedule and \$3.5m went into the Fidelity Account for Excess Funds.

The Operating & Maintenance account balance includes the money for the January 2016 Transfer Schedule payments and \$1.4m for reserves.

<u>Albany Municipal Water Finance Authority</u>	<u>Account No.</u>	<u>Market Value</u>
M&T Bank - Authority Expense	8891632161	23,067
Series 2011A Debt Service Fund	1033343	4,327

Paid on 12/01/15, Principal & Interest of \$5,229,800

as of December 16, 2015

Albany Water Board & Municipal Water Finance Authority
Transactions Detail

Type	Acct #	Broker	Trade		Detail	Coupon	Maturity	Price	Par	Principal	Interest	Net
			Date	Settlement Date								
Transfer	O&M 8891		11/16/15	11/16/15	To Authority Expense #8891632161 Nov							4,750.00
Wire	O&M 8891		11/16/15	11/16/15	To City of Albany #710990019 Nov							1,520,500.00
Buy	676-196705	Intl FCSton	11/16/15	11/17/15	FHLB Discount Note	0.000%	04/27/16	99.86	57,000	56,920.49	-	56,920.49
Buy	676-196705	Knight	11/16/15	11/19/15	Synchrony Bank	0.650%	06/20/16	100.04	49,000	49,018.62	132.64	49,151.26
Transfer	O&M 8891		12/15/15	12/15/15	To Board Expense #8891631650 Dec							3,600.00
Transfer	O&M 8891		12/15/15	12/15/15	To Authority Expense #8891632161 Dec							4,750.00
Wire	O&M 8891		12/15/15	12/15/15	To City of Albany #710990019 Dec							1,520,500.00
Wire	O&M 8891		12/15/15	12/15/15	To Fidelity #676-196705							1,500,000.00
Buy	676-196705	Fidelity	12/16/15	12/17/15	US Treasury	1.250%	12/15/18	99.81	500,000	499,062.50	34.15	499,096.65
Buy	676-196705	Fidelity	12/16/15	12/22/15	BMO Harris Bank	1.250%	12/22/17	100.00	245,000	245,000.00	-	245,000.00
Buy	676-196705	Fidelity	12/16/15	12/17/15	US Treasury	1.625%	11/30/20	99.46	500,000	497,304.69	377.39	497,682.08

Albany Water Board & Municipal Water Finance Authority

2015 Transfer Schedule

	City of Albany		On-Going		Board		Authority	
	#710990019	#710990019	Projects	#676-202885	Expense	#8891631650	Expense	#8891632161
Jan	2,120,000	(2,120,000)		-	4,400	(4,400)	4,750	(4,750)
Feb	1,520,500	(1,520,500)	250,000	-	3,600	(3,600)	4,750	(9,750)
Mar	4,508,000	(4,508,000)	250,000	-	3,600	(3,600)	4,750	(4,750)
Apr	1,520,500	(1,520,500)	250,000	-	3,600	(3,600)	4,750	(4,750)
May	1,520,500	(1,520,500)	250,000	(1,000,000)	3,600	(3,600)	4,750	(4,750)
Jun	1,520,500	(1,520,500)	250,000	-	3,600	(3,600)	4,750	(4,750)
Jul	1,520,500	(1,520,500)	250,000	-	3,600	(3,600)	4,750	(4,750)
Aug	1,520,500	(1,520,500)	250,000	-	3,600	(3,600)	4,750	(4,750)
Sep	2,876,818	(2,876,818)	250,000	-	3,600	(3,600)	4,750	(4,750)
Oct	4,508,000	(4,508,000)		(1,000,000)	3,600	(3,600)	4,750	(4,750)
Nov	1,520,500	(1,520,500)		-	3,600	(3,600)	4,750	(4,750)
Dec	1,520,500	(1,520,500)		-	3,600	(3,600)	4,750	(4,750)
Total	26,176,818	(26,176,818)	2,000,000	(2,000,000)	44,000	(44,000)	57,000	(62,000)

2011A

	Debt Service		#1033343	
Jan	564,600	(564,600)	-	-
Feb	564,620	(564,620)	-	-
Mar	564,620	(564,620)	-	-
Apr	564,620	(564,620)	-	-
May	564,620	(564,620)	-	-
Jun	564,620	(564,620)	-	-
Jul	564,620	(564,620)	-	-
Aug	564,620	(564,620)	-	-
Sep	564,620	(564,620)	-	-
Oct	564,620	(564,620)	-	-
Nov	564,620	(564,620)	-	-
Dec	-	-	-	-
Total	6,210,800	(6,210,800)	-	-

Albany Water Board - Excess Funds

Fidelity Account No. 676-196705

Issue Description	Coupon	Maturity	Par Amount	Market Price	Market Value	Purchase Yield	Percent
Money Market							
Money Market FCASH	0.010%	12/16/15	262,537.87	100.00	262,537.87	0.01%	4.02%
US Government							
Synchrony Bank	0.900%	03/14/16	100,000.00	100.15	100,150.00	0.71%	1.53%
Synovus Bank	0.450%	03/18/16	65,000.00	100.05	65,030.55	0.39%	1.00%
BMW Bank	0.500%	03/28/16	249,000.00	100.06	249,151.89	0.60%	3.82%
Discover Bank	0.800%	03/28/16	100,000.00	100.17	100,172.00	0.64%	1.53%
FHLMC Discount Note	0.000%	04/04/16	500,000.00	99.85	499,265.00	0.20%	7.65%
FHLB Discount Note	0.000%	04/27/16	57,000.00	99.82	56,899.11	0.32%	0.87%
Medallion Bank	0.500%	05/09/16	249,000.00	100.12	249,291.33	0.50%	3.82%
Synchrony Bank	0.650%	06/20/16	49,000.00	100.18	49,087.22	0.59%	0.75%
Synovus Bank	0.650%	06/24/16	97,000.00	100.15	97,145.50	0.54%	1.49%
UBS Bank USA	0.750%	07/01/16	249,000.00	100.21	249,512.94	0.61%	3.82%
GE Capital Bank	1.350%	08/31/16	134,000.00	100.64	134,854.92	1.02%	2.07%
US Treasury	0.500%	11/30/16	500,000.00	99.75	498,730.00	0.58%	7.64%
Capital One Bank USA	0.850%	01/23/17	85,000.00	100.43	85,364.65	1.00%	1.31%
Goldman Sachs Bk USA	1.000%	02/06/17	100,000.00	100.35	100,350.00	1.17%	1.54%
US Treasury	0.750%	03/15/17	500,000.00	99.85	499,240.00	0.91%	7.65%
Compass Bank	1.250%	09/11/17	245,000.00	100.25	245,605.15	1.37%	3.76%
Capital One Bank NA	1.150%	10/02/17	210,000.00	100.19	210,407.40	1.25%	3.22%
AXP Centurion Bank	1.500%	11/28/17	245,000.00	100.62	246,528.80	1.30%	3.78%
BMO Harris Bank	1.250%	12/22/17	245,000.00	100.00	245,000.00	1.25%	3.75%
CIT Bank	1.850%	05/16/18	140,000.00	101.42	141,985.20	1.67%	2.18%
US Treasury	1.000%	09/15/18	1,000,000.00	99.36	993,590.00	0.90%	15.22%
US Treasury	1.250%	12/15/18	500,000.00	99.85	499,252.90	1.30%	7.65%
US Treasury	1.625%	07/31/20	150,000.00	99.77	149,659.50	1.54%	2.29%
US Treasury	1.625%	11/30/20	500,000.00	99.54	497,682.08	1.74%	7.63%
Totals	0.899%	09/21/17	6,531,537.87		6,526,494.01	0.92%	100.00%

Albany Water Board - On Going Projects Reserves

Fidelity Account No. 676-202885

Issue Description	Coupon	Maturity	Par Amount	Market Price	Market Value	Purchase Yield	Percen
Money Market							
Money Market FCASH	0.010%	12/16/15	16,794.80	100.00	16,794.80	0.01%	0.42%
US Government							
Synchrony Bank	0.900%	03/14/16	100,000.00	100.15	100,150.00	0.71%	2.49%
Discover Bank	0.800%	03/28/16	90,000.00	100.17	90,154.80	0.64%	2.24%
FHLB Discount Note	0.000%	04/27/16	500,000.00	99.82	499,115.00	0.25%	12.39%
Investors Bank	2.300%	05/05/16	247,000.00	100.74	248,820.39	0.62%	6.18%
Synovus Bank	0.650%	06/24/16	73,000.00	100.15	73,109.50	0.54%	1.82%
GE Capital Bank	1.350%	08/31/16	111,000.00	100.64	111,708.18	1.02%	2.77%
Sallie Mae Bank	1.350%	10/24/16	135,000.00	100.75	136,013.85	1.17%	3.38%
US Treasury	0.375%	10/31/16	125,000.00	99.68	124,595.00	0.50%	3.09%
Capital One Bank USA	1.000%	10/31/16	100,000.00	100.41	100,406.00	0.69%	2.49%
Key Bank NA	0.600%	10/31/16	232,000.00	100.06	232,143.84	0.60%	5.76%
Safra National Bank	0.550%	11/15/16	182,000.00	100.09	182,160.16	0.65%	4.52%
Goldman Sachs Bk USA	1.000%	02/06/17	78,000.00	100.35	78,273.00	1.17%	1.94%
US Treasury	0.750%	03/15/17	250,000.00	99.85	249,620.00	0.91%	6.20%
Ally Bank	1.100%	04/10/17	200,000.00	100.33	200,668.00	1.25%	4.98%
US Treasury	0.500%	04/30/17	245,000.00	99.45	243,650.05	0.60%	6.05%
Barclays Bank	1.100%	05/08/17	190,000.00	100.39	190,735.30	1.30%	4.74%
Barclays Bank	1.100%	05/15/17	55,000.00	100.35	55,191.40	1.10%	1.37%
Comenity Capital Bank	1.150%	05/25/17	249,000.00	100.75	250,855.05	0.92%	6.23%
American Express FSB	1.450%	10/30/17	245,000.00	100.23	245,558.60	1.60%	6.10%
Sallie Mae Bank	1.400%	12/18/17	100,000.00	100.78	100,778.00	1.53%	2.50%
US Treasury	1.000%	09/15/18	500,000.00	99.36	496,795.00	0.90%	12.34%
Totals	0.910%	02/28/17	4,023,794.80		4,027,295.92	0.83%	100.00%

TABLE OF CONTENTS

	<u>PAGE REFERENCE</u>
STATEMENTS OF CASH FLOWS	1
OTHER FINANCIAL INFORMATION	
Schedule of Revenues	2
Schedule of Operating Expenses	3
Schedule of Capital Project Costs	4
Schedule of OT and D/F City of Albany	5

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
STATEMENTS OF CASH FLOWS
November 30, 2015

	One Month Period Ended		Year-To-Date Periods Ended		Percent Variance	Variance	Percent Variance
	2015	2014	2015	2014			
Revenues							
Water/sewer revenue	\$ 1,511,426	\$ 158,561	\$ 1,352,865	\$ 29,358,557	853.2%	\$ 1,955,922	6.7%
Investment income	117,129	8,769	108,360	129,442	1235.7%	139,587	107.8%
Total revenues	1,628,555	167,330	1,461,225	29,487,999	873.3%	2,095,509	7.1%
Operating expenses							
Operation/maintenance costs	1,245,124	1,064,975	180,149	20,861,238	16.9%	555,055	2.7%
Board/Authority expenses	5,343	5,800	(457)	81,673	-7.9%	(6,510)	-8.0%
Total expenses	1,250,467	1,070,775	179,692	20,942,911	16.8%	548,545	2.6%
Net operating cash flows before debt service and capital project costs							
	378,088	(903,445)	1,281,533	8,545,088	141.8%	1,546,964	18.1%
Debt service costs							
	(564,820)	(566,080)	1,260	(6,113,000)	0.2%	(97,800)	1.6%
Capital project costs							
	(44,554)	(240,823)	196,269	(1,301,769)	-81.5%	155,174	-11.9%
Net cash flow (deficiency)	\$ (231,286)	\$ (1,710,348)	\$ 1,479,062	\$ 1,130,319	86.5%	\$ 1,604,338	141.9%

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
SCHEDULE OF REVENUES
November 30, 2015

	2015		2015		2014		2014		Variance Favorable (Unfavorable)	Variance Favorable (Unfavorable)	Variance %
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual			
Water and sewer revenue											
November	\$ 336,590	\$ 1,511,426	\$ 158,561	\$ 1,174,836	\$ 2,112,416	\$ 158,561	\$ (1,953,855)				-92%
Year-to-Date	\$ 26,240,394	\$ 31,314,479	\$ 29,358,557	\$ 5,074,085	\$ 25,349,000	\$ 29,358,557	\$ 4,009,557				16%
Investment income											
November	\$ 12,500	\$ 117,129	\$ 8,769	\$ 104,629	\$ 12,500	\$ 8,769	\$ (3,731)				-30%
Year-to-Date	\$ 137,500	\$ 269,029	\$ 129,442	\$ 131,529	\$ 137,500	\$ 129,442	\$ (8,058)				-6%

Additional Cash Receipts

Meter Recovery Fees											
November	\$ -										
Year-to-Date	\$ -	\$ -									
Sales of Scrap											
November	\$ -	\$ 460									
Year-to-Date	\$ -	\$ 9,948									
Insurance Recoveries											
November	\$ -	\$ 1,743									
Year-to-Date	\$ -	\$ 1,743									
Miscellaneous Income											
November	\$ -	\$ 2,250									
Year-to-Date	\$ -	\$ 90,981									

Note: The revenue budgets reflect forecasted revenue collections of \$34,700,000 and \$33,500,000 for 2015 and 2014, respectively.

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER AUTHORITY
SCHEDULE OF OPERATING EXPENSES
November 30, 2015

	2015 ANNUAL ADJUSTED BUDGET	YEAR-TO-DATE NOVEMBER 2015			2014 YTD ACTUAL
		ADJUSTED BUDGET	ACTUAL	(OVER)/ UNDER	
Administration					
Personnel services	910,771	\$ 840,712	\$ 715,577	\$ 125,135	\$ 664,543
Equipment	1,000	\$ 755	975	(220)	-
Contractual and other expenses	178,019	\$ 134,404	153,624	(19,220)	179,123
Benefits	346,151	\$ 317,305	263,925	53,380	248,556
	1,435,941	1,293,176	1,134,101	159,075	1,092,222
Supply, Power and Pumping					
Personnel services	872,825	\$ 805,685	590,029	215,656	723,503
Equipment	-	\$ -	-	0	14,970
Contractual and other expenses	112,030	\$ 84,583	59,753	24,830	79,020
Benefits	305,646	\$ 280,176	169,959	110,217	175,629
	1,290,501	1,170,443	819,741	350,702	993,122
Purification					
Personnel services	1,106,042	\$ 1,020,962	986,753	34,209	997,558
Equipment	190,000	\$ 143,450	118,477	24,973	45,430
Contractual and other expenses	1,123,178	\$ 847,999	768,303	79,696	800,151
Benefits	281,837	\$ 258,351	307,183	(48,832)	289,383
	2,701,057	2,270,762	2,180,716	90,046	2,132,522
Transmission/Distribution					
Personnel services	2,441,091	\$ 2,253,315	2,004,433	248,882	2,028,210
Equipment	545,848	\$ 412,115	206,593	205,522	165,132
Contractual and other expenses	1,636,097	\$ 1,235,253	1,254,038	(18,785)	1,354,001
Benefits	759,548	\$ 696,252	687,529	8,723	658,107
	5,382,584	4,596,936	4,152,593	444,343	4,205,450
Sewer Services					
Personnel services	577,104	\$ 532,711	620,272	(87,561)	689,937
Equipment	166,000	\$ 125,330	154,396	(29,066)	3,163
Contractual and other expenses	1,274,710	\$ 962,406	1,386,389	(423,983)	1,214,512
Benefits	217,330	\$ 199,219	115,814	83,405	145,491
	2,235,144	1,819,667	2,276,871	(457,204)	2,053,103
Pumping Stations					
Personnel services	149,790	\$ 132,657	117,442	15,215	153,980
Equipment	15,000	\$ 11,325	7,223	4,102	1,995
Contractual and other expenses	334,573	\$ 252,603	215,836	36,767	328,593
Benefits	70,259	\$ 64,404	45,886	18,518	49,940
	569,622	460,989	386,387	74,602	534,508
Taxes Paid to Municipalities	2,031,114	\$ 2,031,114	1,942,768	88,346	1,938,356
County Sewer Contract	6,050,000	\$ 6,050,000	6,121,068	(71,068)	5,800,000
Contingencies, Insurance and Other	4,500,703	\$ 3,053,935	2,402,048	651,887	2,193,628
TOTALS	\$ 26,196,666	\$ 22,747,021	\$ 21,416,293	\$ 1,330,728	\$ 20,942,911

EXPENSE SUMMARY:

	2015	2014	Change
Personal Services	5,034,506	5,257,731	(223,225)
Equipment	487,664	230,690	256,974
Contractual and other expenses	3,837,943	3,955,400	(117,457)
Benefits	1,590,296	1,567,106	23,190
Other	10,465,884	9,931,984	533,900
	21,416,293	20,942,911	473,382

Percent Increase/Decrease over 2014

2.3%

Percent under Budget

6.2%

**ALBANY WATER BOARD
ALBANY MUNICIPAL WATER AUTHORITY
SCHEDULE OF CAPITAL PROJECT COSTS
November 30,2015**

Actual Expenditures to Date

1995	\$	3,459,286
1996		3,148,713
1997		2,977,569
1998		2,059,812
1999		2,696,065
2000		1,771,829
2001		2,437,338
2002		3,384,049
2003		3,845,848
2004		5,673,522
2005		2,389,244
2006		1,575,740
2007		459,599
2008		1,230,331
2009		1,807,010
2010		1,108,164
2011		734,443
2012		2,266,553
2013		2,059,475
2014		1,832,084
	\$	46,916,673

Comparative Expenditures

[----- 2014 -----]		2015	
January	\$ -	January	\$ -
February	-	February	77,235
March	179,866	March	33,828
April	68,851	April	84,334
May	81,000	May	86,474
June	73,900	June	17,174
July	89,061	July	161,417
August	356,661	August	59,130
September	173,016	September	208,826
October	38,591	October	373,623
November	240,823	November	44,554
December	530,315	December	
	\$ 1,832,084		\$ 1,146,595

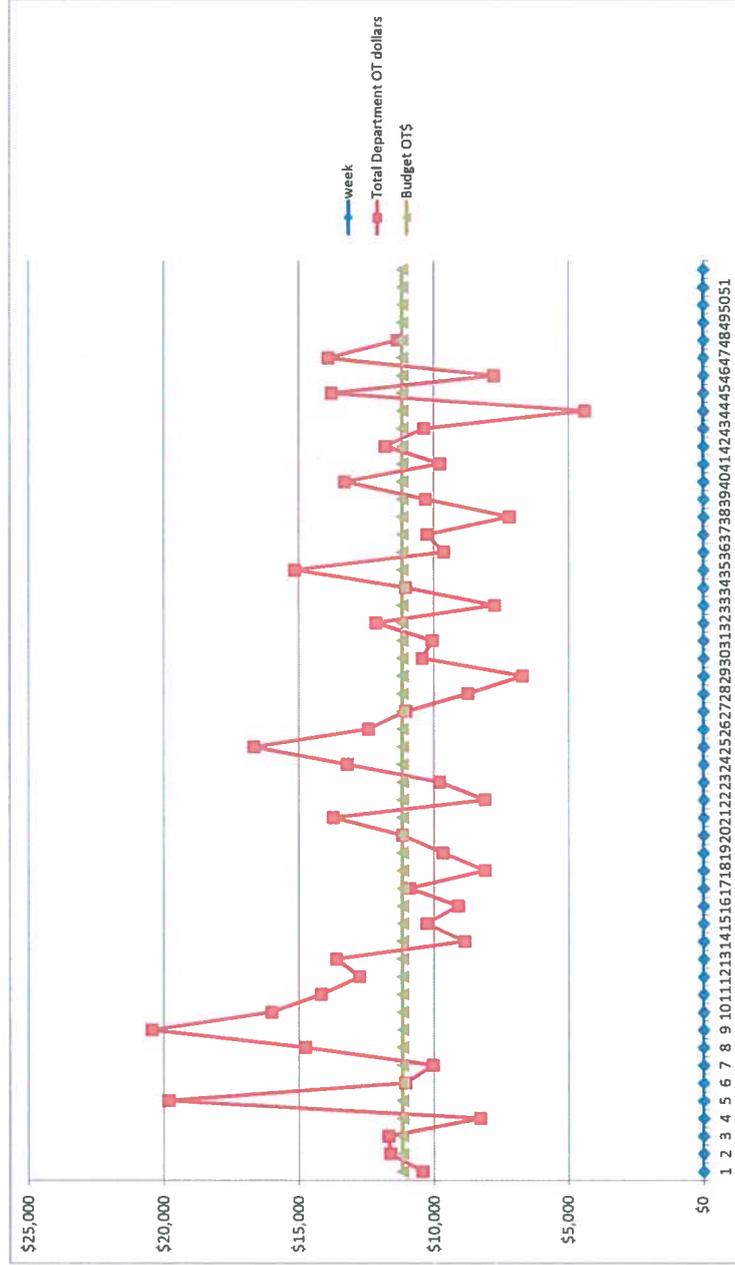
	Budget 11/30/2015 YTD	Actual 11/30/2015 YTD	Budget Difference	Actual 11/30/2014 YTD	Actual Difference
OVERTIME					
<i>Supply, Power and Pumping</i>	\$ 87,692	\$ 49,544	\$ 38,148	\$ 86,730	\$ 37,186
<i>Purification</i>	\$ 124,615	\$ 110,897	\$ 13,718	\$ 120,719	\$ 9,822
<i>Transmission/Distribution</i>	\$ 276,923	\$ 307,129	\$ (30,206)	\$ 317,552	\$ 10,423
<i>Sewer Services</i>	\$ 36,923	\$ 62,258	\$ (25,335)	\$ 61,404	\$ (854)
<i>Pumping Stations</i>	\$ 9,231	\$ 8,865	\$ 366	\$ 14,023	\$ 5,158
TOTAL	\$ 535,385	\$ 538,693	\$ (3,308)	\$ 600,428	\$ 61,735
Percentage			0.6%		-11.5%
DUE FROM THE CITY OF ALBANY					
		11/30/2015			
	\$	<u>10,079,180</u>			

Department of Water and Water Supply - 2015 Key Performance Indicators and Critical Numbers Dashboard														
Parameter	Annual Goal or YTD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
		well over goal	at goal	caution	unacceptable - corrective action required									
Water/Sewer Revenue														
Budget	\$34,700,000	\$2,811,795	\$2,201,845	\$2,030,840	\$2,418,630	\$2,878,415	\$2,337,210	\$2,140,800	\$2,847,915	\$2,854,340	\$3,382,020	\$336,580	\$8,459,600	\$34,700,000
Actual MTD		\$2,811,795	\$2,201,845	\$2,030,840	\$2,418,630	\$2,878,415	\$2,337,210	\$2,140,800	\$2,847,915	\$2,854,340	\$3,382,020	\$336,580	\$8,459,600	\$34,700,000
Budget YTD/MTD	\$26,240,394	\$2,811,795	\$5,013,640	\$7,044,480	\$9,463,110	\$12,341,515	\$14,678,728	\$16,819,530	\$19,667,442	\$22,521,783	\$25,903,803	\$26,240,394	\$26,240,394	\$26,240,394
Actual YTD/MTD		\$3,466,491	\$6,014,314	\$9,191,149	\$11,276,864	\$14,107,309	\$17,176,912	\$20,151,396	\$23,851,434	\$26,289,912	\$29,803,054	\$31,314,479	\$31,314,479	\$31,314,479
% Actual MTD vs Budget MTD		124.00%	119.96%	130.47%	119.17%	114.31%	117.02%	119.81%	121.27%	116.73%	108.09%	119.34%	0.00%	#DIV/0!
% Actual YTD vs Budget YTD														119.34%
Operating Expenses														
Budget	\$26,196,666	\$1,790,923	\$1,311,020	\$4,290,819	\$1,399,456	\$1,305,714	\$1,352,290	\$1,513,473	\$1,393,560	\$5,611,488	\$1,062,416	\$1,715,861	\$3,449,646	\$26,196,666
Actual MTD		\$1,790,923	\$1,311,020	\$4,290,819	\$1,399,456	\$1,305,714	\$1,352,290	\$1,513,473	\$1,393,560	\$5,611,488	\$1,062,416	\$1,715,861	\$3,449,646	\$26,196,666
Budget YTD/MTD	\$22,747,021	\$1,790,923	\$3,101,943	\$7,392,762	\$8,792,218	\$10,097,932	\$11,450,222	\$12,963,695	\$14,357,256	\$19,968,744	\$21,031,160	\$22,747,021	\$22,747,021	\$22,747,021
Actual YTD/MTD	\$21,416,293	\$1,347,795	\$2,180,365	\$6,444,137	\$7,375,459	\$8,457,879	\$11,099,593	\$12,771,400	\$13,794,195	\$19,151,387	\$20,171,169	\$21,416,293	\$21,416,293	\$21,416,293
% Actual vs Budget MTD/MTD		75.26%	70.29%	87.17%	83.89%	83.76%	96.94%	98.93%	96.08%	95.91%	95.99%	94.15%	0.00%	#DIV/0!
% Actual YTD vs Budget YTD														94.15%
Net Operating Cash Flows														
Actual MTD/YTD	\$10,931,272	\$2,141,028	\$2,027,919	-\$1,418,439	\$1,135,013	\$1,886,281	\$2,044,604	\$1,253,616	\$2,377,130	-\$2,826,560	\$2,636,107	\$378,088	\$0	\$10,092,052
Net Cash Flow after debt service and capital project costs	\$1,734,657	\$1,576,428	\$1,389,038	-\$2,094,122	\$486,059	\$1,235,187	\$1,462,810	\$527,579	\$1,753,380	-\$3,600,006	\$1,697,864	-\$231,286	\$0	\$2,734,657
Water Produced														
Monthly total (million gallons)	647425.847	579,888	562,879	641420,000	584,256	666,226	588,717	666,040	669,793	610,747	553,180	524,321	647425.847	647425.847
Daily average (MGD)	19,736	18,706	20,096	20,691	19,475	21,491	19,623	21,485	21,606	20,358	17,845	17,478	19,736	19,736
Total Department OT Hrs.	18326.15	1821.5	1969.75	2053.6	1391.3	1212.5	1912.5	1529	1530	1602	1815	1489	18326.15	18326.15
Total Department OT \$	\$580,000	\$55,769	\$44,616	\$44,615	\$44,615	\$55,769	\$44,615	\$48,333	\$52,052	\$44,615	\$55,769	\$44,616	\$44,616	\$580,000
Budget MTD		\$55,769	\$44,616	\$44,615	\$44,615	\$55,769	\$44,615	\$48,333	\$52,052	\$44,615	\$55,769	\$44,616	\$44,616	\$580,000
Actual MTD		\$61,805	\$56,118	\$58,035	\$40,054	\$48,409	\$37,825	\$63,106	\$39,797	\$43,301	\$50,358	\$39,885	\$39,885	\$580,000
Budget YTD	\$535,385	\$55,769	\$100,385	\$145,000	\$189,616	\$245,385	\$290,000	\$338,333	\$390,385	\$435,000	\$490,769	\$535,385	\$535,385	\$535,385
Actual YTD	\$538,893	\$61,805	\$117,923	\$175,958	\$216,012	\$264,421	\$302,246	\$365,352	\$405,149	\$448,450	\$498,808	\$538,893	\$538,893	\$538,893
% Budget MTD		110.82%	125.70%	123.36%	89.78%	86.80%	84.78%	103.13%	76.48%	97.05%	80.30%	#DIV/0!	#DIV/0!	#DIV/0!
% Budget YTD	100.62%													
ACSD monthly avg flow (MGD)														
contracted flow 27 MGD		21.69	19.99	25.50	24.80	19.19	24.04	19.55	21.23	20.32	21.11	18.89	21.69	21.69
south plant total		25.11	23.40	29.08	28.35	22.85	27.98	23.21	25.09	24.37	25.03	22.89	25.11	25.11
Locations														
regular	6768	162	124	425	850	786	725	952	772	725	825	422	6768	6768
emergency	1033	114	134	176	86	73	51	91	66	81	84	75	1033	1033
Leak Detection														
Blocks Tested	580	20	20	75	90	out of service	out of service	70	80	75	80	70	580	580
Leaks Detected	25	1	0	1	3	0	0	7	6	2	2	3	25	25

Department of Water and Water Supply - 2015 Key Performance Indicators and Critical Numbers Dashboard														
Parameter	Annual Goal or YTD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
		well over goal at goal caution unacceptable - corrective action required												
Incident Reports														
Total Reports Submitted	66	5	3	5	4	2	4	4	4	3	1			35
Total resulting in Medical Treatment	12	1	2	5	1	1	1	3	2	1	1			18
Total resulting in Time Loss	10	1	1	3	0	0	1	1	1	1				10
Water Main Breaks														
* 48-inch, ** 36-inch transmission line	66	11	18	23	3	2	4	0	2	1	1	1		66
Sewer Repairs														
	12	1	0	4	0	3	1	0	0	0	2	1		12
Valves Repair/Replaced														
	21	1	0	2	2	2	2	2	2	2	2	4		21
MH Repairs														
	56	1	4	6	5	3	6	6	5	3	9	8		56
Hydrant Replacements														
	10	2	0	1	0	0	1	2	2	1	1	0		10
Hydrant Repairs														
	2	0	0	0	0	0	0	0	0	0	2	0		2
Service Terminations														
	46	4	3	2	1	3	4	3	4	9	8	5		46
Service Repairs														
	72	5	4	11	10	5	2	8	8	5	7	7		72
Basin Repairs														
	125	5	1	13	12	21	20	11	19	3	9	11		125
Frozen Service														
	0	0	0	0	0	0	0	0	0	0	0	0		0
Curb Box and Rod replaced														
	6	0	0	1	1	2	0	0	0	2	0	0		6
Valve Box replaced														
	17	1	0	2	1	1	3	5	0	0	2	2		17
Install Valve														
	0	0	0	0	0	0	0	0	0	0	0	0		0
Orions Installed														
Goal	6000	500	500	500	500	500	500	500	500	500	500	500	500	6000
Actual YTD	4416	424	402	455	468	513	521	431	474	488	500	500	500	4416

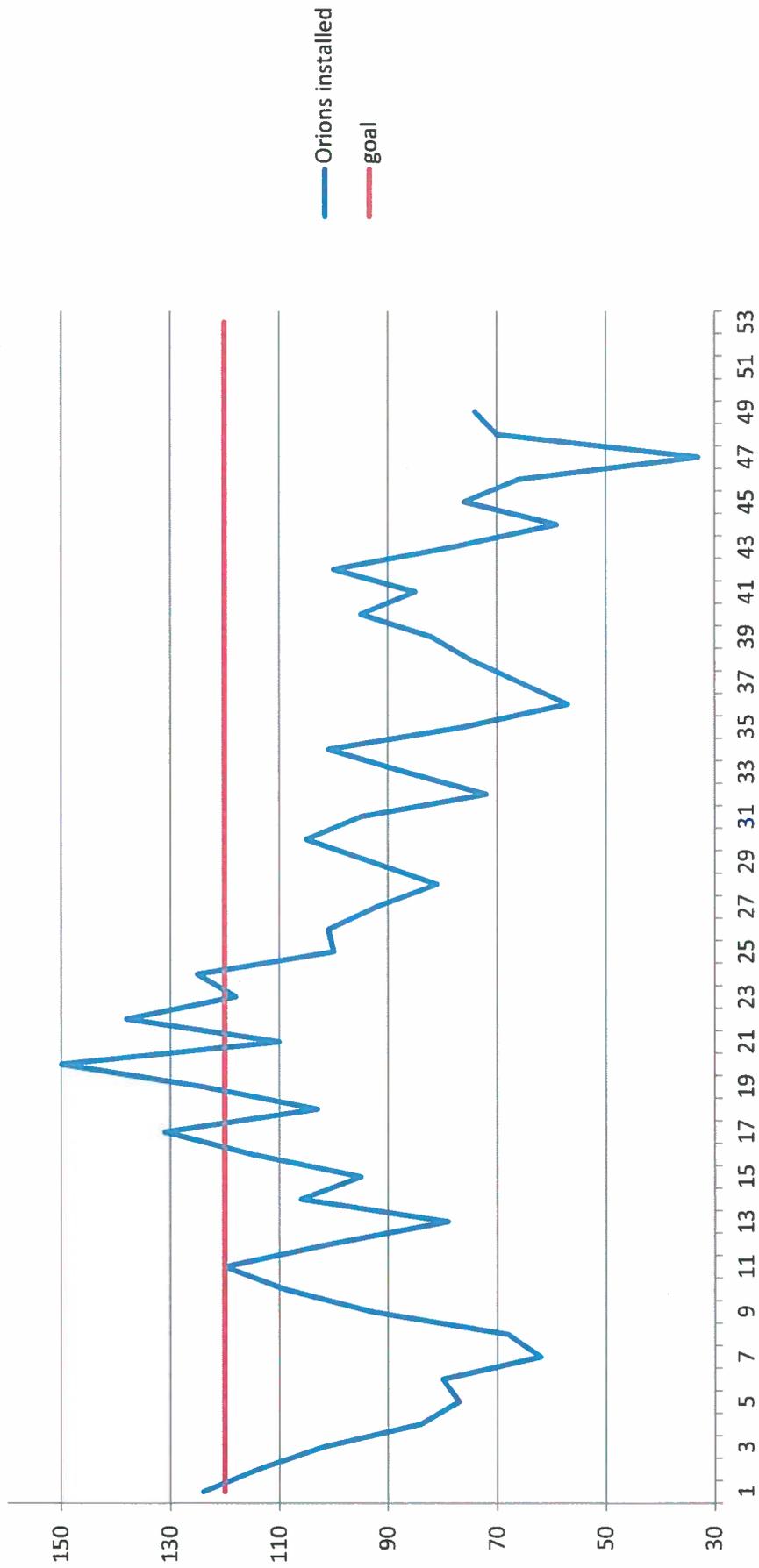
budget OT\$ weekly OT\$

week	budget OT\$	weekly OT\$
1	\$11,154	\$10,422
2	\$11,154	\$11,605
3	\$11,154	\$11,676
4	\$11,154	\$8,280
5	\$11,154	\$19,822
6	\$11,154	\$11,055
7	\$11,154	\$10,043
8	\$11,154	\$14,753
9	\$11,154	\$20,426
10	\$11,154	\$15,999
11	\$11,154	\$14,168
12	\$11,154	\$12,738
13	\$11,154	\$13,611
14	\$11,154	\$8,858
15	\$11,154	\$10,262
16	\$11,154	\$9,103
17	\$11,154	\$10,905
18	\$11,154	\$8,104
19	\$11,154	\$9,664
20	\$11,154	\$11,151
21	\$11,154	\$13,718
22	\$11,154	\$8,104
23	\$11,154	\$9,783
24	\$11,154	\$13,196
25	\$11,154	\$16,652
26	\$11,154	\$12,411
27	\$11,154	\$11,039
28	\$11,154	\$8,739
29	\$11,154	\$6,714
30	\$11,154	\$10,430
31	\$11,154	\$10,040
32	\$11,154	\$12,126
33	\$11,154	\$7,753
34	\$11,154	\$11,027
35	\$11,154	\$15,129
36	\$11,154	\$9,627
37	\$11,154	\$10,241
38	\$11,154	\$7,201
39	\$11,154	\$10,300
40	\$11,154	\$13,281
41	\$11,154	\$9,756
42	\$11,154	\$11,776
43	\$11,154	\$10,364
44	\$11,154	\$4,390
45	\$11,154	\$13,773
46	\$11,154	\$7,768
47	\$11,154	\$13,889
48	\$11,154	\$11,328
49	\$11,154	
50	\$11,154	
51	\$11,154	
52	\$11,154	



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

2015 Weekly Orions Installed



SEWER BACKWATER VALVE GRANT APPLICATIONS

2008-2015		2015	YTD	MTD
<u>Summary</u>		<u>Summary</u>		
Received	375	Received	16	1
Withdrawn	18	Withdrawn	0	0
Denied	13	Denied	0	0
Approved	350	Approved	16	0
Pending	0	Pending	1	1
Payment Processed	296	Payment Processed	19	0
Total of Grant Requests	\$472,811	Total of Grant Requests		\$35,400
Total of Grants Approved	\$444,405	Total of Grants Approved		\$35,400



**Empire State
Development**

RECEIVED

December 10, 2015

DEC 16 2015

Joseph Coffey
Commissioner
Albany Water Board
10 North Enterprise Drive
Albany, NY 12204

Department of Water
And Water Supply
Albany, N.Y.

Re: Empire State Development Grants Program
Uper Washington Avenue Infrastructure, CFA #54968

Dear Mr. Coffey:

In 2011, Governor Cuomo launched the Regional Economic Development Councils and the Consolidated Funding Application (CFA) to provide each region with the tools to create and implement their own roadmap for economic prosperity and job creation. This community-based model uses local assets to drive local economic growth and has resulted in unprecedented partnerships and collaboration that are building a reinvigorated economy.

After four successful rounds, the 2015 CFA made \$750 million in economic development resources available from over thirty programs across thirteen state agencies. The agency programs provide resources for projects focused on community development and job creation, tourism, waterfront revitalization, energy and environmental improvements, sustainability, and low-cost financing. Empire State Development is proud to have contributed over \$220 million to this year's Consolidated Funding Application.

As announced by Governor Cuomo on December 10, 2015, we are pleased to inform you that Albany Water Board has been recommended for an award of up to \$1,900,000 from the Empire State Development Grants Program. ESD's Capital Region Office will contact you to clarify specifics about the project in order to issue a formal Incentive Proposal. The Incentive Proposal, which must be signed and returned to ESD, will outline funding requirements, including next steps, disbursement terms, minority- and women-owned business hiring goals, employment requirements, environmental and historic preservation review requirements, and other terms and conditions required by the ESD funding processes. Grant funding is conditioned on approval by the ESD Directors, which typically is requested at the time of project completion, and funds are disbursed in arrears, as reimbursement for expenses undertaken. You are reminded that under the proposed project with ESD, any work performed, or costs incurred, prior to the date on this letter may result in award reductions or possible termination of the project at ESD's discretion.

If you applied for funding from other ESD programs or other State agencies, you will receive information from those programs/agencies separately.

Congratulations, and we look forward to working with you on this important project.

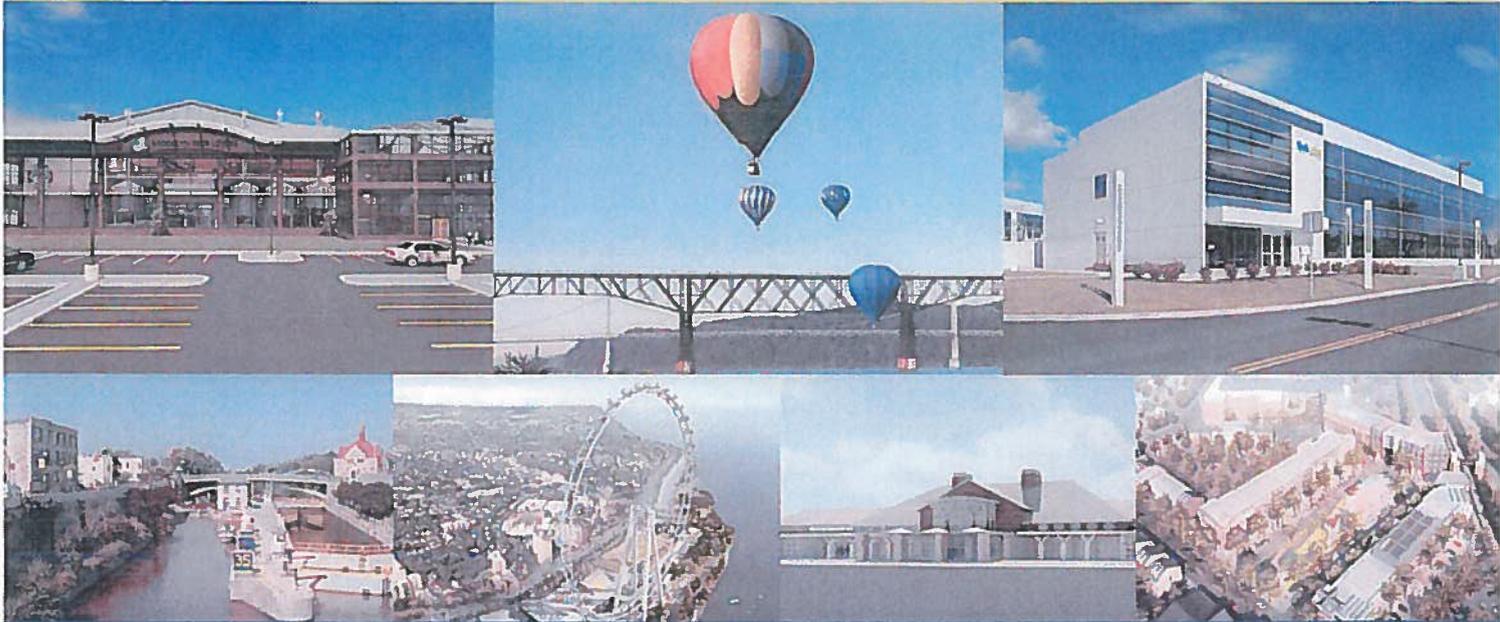
Best regards,

Howard Zemsky
President & CEO, Empire State Development
Commissioner, NYS Department of Economic Development

cc: Arnie Will



Regional Economic Development Councils

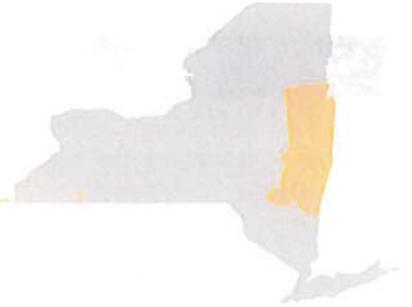


2015 Regional Economic Development Council Awards

Governor Andrew M. Cuomo

CAPITAL REGION

\$98.1 million awarded to 114 projects



CFA #	County	Applicant	Project Title	Description	Agency/Program	Award
51234	Albany	Aeon Nexus Corporation	Business Expansion	Aeon Nexus will increase employment at its Albany operation, bringing new high-paying technology-based job opportunities to an urban area, and contributing to the revitalization of downtown Albany.	ESD EJP	\$530,000
55371	Albany	Albany County	Albany County Microenterprise Assistance Program	Funds will be used to assist in the establishment of a Microenterprise Program.	HCR CDBGME	\$200,000
51817	Albany	Albany County	Albany County MS4 Mapping Project	Municipal storm sewer systems (MS4s) communities in Albany County will conduct a stormwater mapping project. The products of this project will enable each MS4 to better manage and report on their storm drainage infrastructure, and will allow each MS4 to proactively address and mitigate the concerns and pollutants found in their impaired waterbodies.	DEC WQIP MS4	\$486,720
57755	Albany	Albany Housing Authority	Ida Yarbrough Homes Redevelopment Green Stormwater Retrofit	The Ida Yarbrough Homes Redevelopment Green Stormwater Retrofit Project will install green roofs, bioretention, stormwater planters, and rainwater harvesting and use as part of a larger redevelopment to construct 61 units of modern, affordable housing in the Arbor Hill neighborhood of Albany. This project will remove stormwater from the City of Albany's combined sewer system.	EFC GIGP	\$1,000,000
56000	Albany	Albany Medical College	NYCAP Research Alliance Investment Fund	The NY CAP Research Alliance will create a \$12,500,000 capital investment program across the Alliance's partnering institutions to attract increased federal and industry funding, create and retain jobs and spur economic growth. The program will leverage the collective intellectual capital and research infrastructure across the partnering research institutions and support a collaborative approach to furthering research in the Capital Region.	ESD Grants	\$2,250,000
53080	Albany	Albany Medical College	AMC BACC NYS Certified Business Incubator	The AMC's Biomedical Acceleration and Commercialization Center (BACC) is part of the Albany Medical Center Campus located in downtown Albany. This project is in partnership with RPI's certified New York State Incubator program located in Troy. This project will provide a commercialization conduit for entrepreneurs, faculty, physicians and other medical professionals with ideas for improving patient quality of care and programs and supports for early stage companies focused on biomedical device innovation.	ESD BISP	\$125,000

Capital Region

CFA #	County	Applicant	Project Title	Description	Agency/Program	Award
53940	Albany	Albany Pool Communities	Wastewater Improvements In Cohoes, Watervliet and Green Island	The Cities of Albany, Cohoes, Rensselaer, Troy, and Watervliet and the Village of Green Island are working collaboratively with the Albany County Sewer District and Rensselaer County Sewer District on a regional basis to reduce Combine Sewer Outfall (CSO) discharges. This project will modify orifices and/or weir heights within up to 18 regulators to maximize treatment of wet weather flows and reducing CSO discharges by approximately 6 million gallons per year.	DEC WQIP WTI	\$178,500
56345	Albany	Albany Port District Commission	Port of Albany Big Lift	Construction of a heavy lift cargo operations building in a secure marine terminal at the Port of Albany and the purchase of machinery to allow movement of cargo from rail to building to ship, or barge to building to ship, improving transportation efficiencies for the region's manufacturers.	ESD Grants	\$4,000,000
54099	Albany	Albany Symphony	Water Music NY	Albany Symphony will design Water Music NY, a collaborative project featuring 50 musicians traversing the Erie Canal by barge from Buffalo to Albany. The project will engage residents and attract visitors to the historic waterway as the musicians and local arts groups perform together at six stops along the Canal.	Arts CHPG P	\$48,906
54968	Albany	Albany Water Board	Upper Washington Avenue Infrastructure	Design and construction of a new water booster pump station by the Albany Water Authority to mitigate low water pressure issues and sustain and accommodate continued job growth demands in the area.	ESD Grants	\$1,900,000
56587	Albany	Albany Water Board	Beaver Creek Sewershed Overflow Abatement and Flood Mitigation	The Albany Water Board will construct a separate storm sewer line to convey stormwater from along Elberon Place to a new outfall structure at Washington Park Lake. The Board will also install Green Infrastructure practices at Hanson Alley and Ryckman Alley. Stormwater from Hanson Alley will be conveyed to an infiltration gallery and stormwater from Ryckman Alley will go to a constructed wetland. The projects will reduce the amount of stormwater entering the City of Albany combined sewer system.	DEC WQIP NSAC	\$1,000,000
56587	Albany	Albany Water Board	Beaver Creek Stormwater Retrofit	The Beaver Creek Project will remove stormwater from combined sewers in the City of Albany helping to reduce combined sewer overflows into the Hudson River. GIGP funds will support a part of the project that conveys stormwater from Ryckman Alley into a constructed wetland for treatment. The larger project will incorporate the use of Opti Real Time Control (RTC) to allow for the maximum runoff reduction through the promotion of infiltration, evapotranspiration and/or stormwater harvesting for water use.	EFC GIGP	\$450,000
53030	Albany	Arsenal Business and Technology Partnership	Arsenal Accelerator Feasibility Study	In line with military installation enhancement, promotion and retention efforts, the Arsenal Business and Technology Partnership will undertake a feasibility study project to identify and implement facility and equipment upgrades at the Watervliet Arsenal, and public-private partnership opportunities to lower costs and improve efficiencies.	ESD SPFS	\$25,000

Capital Region

CFA #	County	Applicant	Project Title	Description	Agency/ Program	Award
53062	Albany	Capital District Regional Planning Commission	Albany Pool Communities Green Infrastructure Planning Project	The Cities of Albany, Cohoes, Rensselaer, Troy, and Watervliet and the Village of Green Island are working collaboratively with the Albany County Sewer District and Rensselaer County Sewer District on a regional program to abate Combined Sewer Overflow discharges and improve water quality. The next phase will implement strategies to improve or optimize the performance of the existing combined sewer system in the Albany Pool Communities.	DOS LGE	\$220,500
55857	Albany	Capital District Women's Employment Resource Center, Inc.	Customer Service Training	Capital District Women's Employment Resource Center, Inc. of Albany will train 15 workers in special populations in customer service including, typing, Microsoft Office, Internet and email use, communication, and financial management.	DOL SPTP	\$22,500
55621	Albany	Capital Repertory Company	Capital Rep Theatre Renovation	Capital Repertory Theatre will renovate its downtown Albany location, replacing antiquated lighting, sound, heating and cooling systems, and constructing a new lobby, box office, cafe and seating space to increase operational efficiency and ensure the theater's long term viability.	ESD Grants	\$950,000
47670	Albany	Cathedral of All Saints in the City and Diocese of Albany	Public Performance and Gathering Garden	The Cathedral plans a new park and performance space on its grounds on the corner of South Swan and Elk Streets in Albany's city center, one block from the busy corner of South Swan and Washington Avenue and the northwest corner of the State Capital grounds. The park will provide a significant improvement to the South Swan/Elk streetscape, create a space where the public has respite from downtown stir, and provide a place for performances and art shows.	OPRHP HAS D	\$294,030
57889	Albany	Central Avenue Business Improvement District	STEAM Garden	In collaboration with Hudson Valley Community College, UAlbany, the Albany Police Department and the Capital District Transportation Authority, the Central Avenue Business Improvement District will redevelop a vacant building into innovative space that aggregates entrepreneurs, technology professionals, students and arts organizations in a hybrid facility, bringing science, technology, engineering, arts and math (STEAM) education and career pathways to an underserved neighborhood.	ESD Grants	\$350,000
57989	Albany	Central District Management Association Inc.	STEAM Garden	Funds will assist in the renovation of a vacant building at 297-285 Central Avenue in Albany into a hybrid facility blending educational, laboratory, business, and short-term residential spaces for employees and artists in a live-work environment.	HCR NYMS	\$500,000
56099	Albany	City of Albany	911 Regional Dispatch Center	Albany and Rensselaer County will commission a feasibility study of existing emergency dispatch and 911 services to assess the impact of consolidation of services.	DOS LGE P	\$50,000
53675	Albany	City of Cohoes	City of Cohoes Middle Vliet Street Sewer Separation	The City of Cohoes will construct a dedicated storm sewer system in the Middle Vliet Street area to reduce stormwater flows to the City's combined sewer system and reduce combined sewer overflows to the Mohawk River.	DEC WQIP NSAC	\$900,000

Capital Region

CFA #	County	Applicant	Project Title	Description	Agency/ Program	Award
50681	Albany	City of Watervliet	City of Watervliet Civic Center Improvements	Funds will be used to rehabilitate the Watervliet Civic Center.	HCR CDBGPF	\$400,000
53284	Albany	Coeymans Industrial Park	Coeymans Rail Extension Capital	Construction of a new commercial rail line at the Coeymans Industrial Park/Marine Terminal to provide improved transportation efficiencies for manufacturers throughout the Capital Region.	ESD Grants	\$2,000,000
51726	Albany	County of Albany	Albany County Shaker Site	This project will allow for stabilization and functional improvements of the site that will ensure the survival of the historic buildings and improve public access to this historic location. The improvements will enable us to share this piece of history with local visitors to the area.	OPRHP HP D/P	\$500,000
56419	Albany	Downtown Albany Business Improvement District	Downtown Albany Residential Program	Grant funds will assist in the renovation of mixed-use buildings in the City of Albany's downtown.	HCR NYMS	\$390,000
52073	Albany	Nine Pin Ciderworks	Nine Pin Ciderworks Expansion	Nine Pin Ciderworks will expand operations at its Albany facility through leasehold improvements and machinery and equipment purchases, increasing employment opportunities, the production of hard cider.	ESD Grants	\$100,000
57863	Albany	Sabre Bioresponse, LLC	Manufacturing Expansion	Sabre Bioresponse will invest in a building expansion and machinery to increase manufacturing of point of use systems to deploy Chlorine Dioxide gas for use in contamination control.	ESD EJP	\$3,000,000
55126	Albany	The Good Market of Upstate New York	The Good Market	The Good Market will lease and renovate space at a to-be-determined location in Albany's warehouse district to create a curated food court to accommodate approximately 20 vendors.	ESD Grants	\$260,000
57393	Albany	The Research Foundation for the State University of New York	NYS Mesonet xCITE Laboratory	UAlbany will design and construct the NYS Mesonet xCITE Laboratory, a state-of-the-art visualization and computational platform that will enhance emergency management and meteorologists' understanding of severe weather conditions. The Mesonet xCITE Lab will support advanced global research and development, spur new public-private partnerships and provide novel, educational and outreach opportunities, particularly for underserved K-12 students and teachers.	ESD Grants	\$800,000
56806	Albany	The Tower on the Hudson, LLC	Tower on the Hudson	Construction of a mixed use high rise building in downtown Albany. The Tower on the Hudson will feature a Homewood Suites by Hilton, parking accommodations, commercial/retail space, and residential apartments, contributing to the revitalization of an urban area.	ESD Grants	\$5,000,000
52674	Albany	Town of Bethlehem	Local Waterfront Revitalization Program	The Town of Bethlehem will update, complete and adopt its Local Waterfront Revitalization Program. The update will reflect the goals and objectives of the existing Bethlehem Comprehensive Plan and will include a comprehensive list of proposed waterfront revitalization projects. The project will involve the participation and input of stakeholders and residents.	DOS LWRP	\$37,500



**Department of
Environmental Conservation**

**Environmental
Facilities Corporation**

FINAL INTENDED USE PLAN

Clean Water State Revolving Fund Federal Fiscal Year 2016

Effective October 1, 2015 - September 30, 2016

Issued November 2015



ANDREW M. CUOMO
Governor

BASIL SEGGOS
Acting Commissioner

SABRINA M. TY
President and CEO



2016 FINAL CWSRF INTENDED USE PLAN
Annual CWSRF Project Priority List
Project Category: B
(in descending order of score)

Project Number	Applicant Name	Project Description	Estimated Amount	Additional \$ Above ST	Notes	SPDES No*	Score
C1-9018-01-00	SUFFOLK COUNTY	Planning, design and construction for installation of a sewage collection system for areas of Patchogue currently on septic systems. This project is to reduce nitrogen loading to the Patchogue River watershed to improvement water quality and promote storm resiliency. (DESIGN COSTS ONLY)	\$1,700,000	\$1,700,000		NY0023922	108
C1-5160-05-00	NORTHPORT, VILLAGE OF	Planning, design and construction for installation of flood protection measure at the sewage treatment plant to improve water quality in Northport Harbor.	\$1,982,828	\$1,982,828		NY0024881	108
C9-6649-07-00	ERIE COUNTY	Planning, design and construction of the Rush Creek interceptor and wet weather pump facilities to allow for the elimination of the Village of Blasdel sewage treatment plant and collection system pump stations to reduce sewer overflows and improve water quality in Rush Creek.	\$8,300,000	\$8,300,000		NY0020681	102
C4-5402-14-00	ALBANY MWF AUTHORITY	Planning, design, and construction of collection system improvements to protect water quality in the Hudson River.	\$7,000,000	\$7,000,000		NO SPDES	97
C1-5120-09-00	SUFFOLK COUNTY	Planning, design and construction for expansion of SD #3 Southwest with the installation of collection sewers for unsewered areas of North and West Babylon and Wyandanch. This will reduce nitrogen loading to the Carlis River. (DESIGN COSTS ONLY)	\$7,600,000	\$7,600,000	E	NY0104809	92
C1-5120-16-00	SUFFOLK COUNTY	Expansion of SD #3 Southwest with the construction of sanitary sewers for the Village of Great River. This project will reduce nitrogen loading to the Connetquot River, Nicoll Bay and Great South Bay. (DESIGN COSTS ONLY)	\$2,500,000	\$2,500,000	E	NO SPDES	92
C9-6628-08-00	CHAUTAUQUA COUNTY	Planning, design and construction of new collection sewers and pumping systems to improve water quality in Chautauqua Lake.	\$38,930,100	\$38,930,100		NY0106895	89
C9-6632-04-00	CHAUTAUQUA COUNTY	Planning, design and construction of new collection sewers, pump stations and forcemains to improve water quality in Chautauqua Lake.	\$21,500,000	\$21,500,000		NY0020826	89
C9-6653-05-00	CHEEKTOWAGA, TOWN OF	Planning, Design and Construction of an SSO storage facility to improve water quality in Scajaquada Creek.	\$9,700,000	\$9,700,000		NY0028410	88
C4-5489-05-00	TROY, CITY OF	Planning, design, and construction of collection system improvements to protect water quality in the Hudson River.	\$3,537,000	\$3,537,000		NY0087971	87
C4-5493-06-00	SCHENECTADY, CITY OF	Planning, design, and construction of wastewater treatment plant and collection system improvements to eliminate sanitary sewer overflows to improve water quality in the Mohawk River.	\$24,651,000	\$24,651,000		NY0020516	82
C1-5140-01-00	SUFFOLK COUNTY	Construct WWTP and install sewage collection system for Mastic and Shirley to improve groundwater quality and reduce nitrogen loading to the Forge River. (DESIGN COSTS ONLY)	\$10,300,000	\$10,300,000	E	NEW SPDES	72
C9-6651-04-00	WILLIAMSVILLE, VILLAGE OF	Stormwater treatment and volume reduction provided through Green practices on East Spring Street	\$665,500	\$665,500		NO SPDES	71
C3-7355-02-00	YONKERS, CITY OF	Planning, Design, and Construction for sewer replacements, sewer separation, and installation of storm sewers to reduce CSOs and improve water quality in the Hudson and Saw Mill Rivers.	\$28,444,000	\$28,444,000		NY0026689	68

E These projects are subject to additional Federal requirements (per the USEPA Capitalization Grant to NYS). Bidded Projects have an existing short term financing.

N Projects below subsidy line with complete FFY 2015 financing applications. These projects are eligible for subsidized financing in FFY 2016.

* SPDES permit numbers are set forth herein, where applicable, and information concerning discharge requirements is set forth in each SPDES permit.

W Projects with non-hardship and hardship components listed in Category A or B and Category D to accurately account for all funds allocated to the project.

2016 FINAL CWSRF INTENDED USE PLAN
Annual CWSRF Project Priority List
Project Category: B
(in descending order of score)

Project Number	Applicant Name	Project Description	Estimated Amount	Additional \$ Above ST	Notes	SPDES No*	Score
C6-6058-06-00	GOUVERNEUR, VILLAGE OF	Design and construction of a wastewater treatment plant effluent disinfection system to maintain water quality in the Oswegatchie River.	\$370,000	\$370,000		NY0020117	68
C6-6058-08-00	GOUVERNEUR, VILLAGE OF	Design and construction of new sanitary sewers and storm sewers to provide separation of combined sewers in the Dorwin Street area to improve water quality in the Oswegatchie River.	\$1,640,000	\$1,640,000		NY0020117	68
C4-5402-15-00	ALBANY MWF AUTHORITY	Planning, design, and construction of collection system improvements to protect water quality in the Hudson River.	\$4,800,000	\$4,800,000		NY0026875	66
C7-6214-01-00	WAVERLY, VILLAGE OF	Planning, design, and construction of a project to upgrade the sewage treatment plant to improve the water quality in Cayuga Creek and the Chesapeake Bay Watershed.	\$18,300,000	\$18,300,000		NY0031089	64
C5-5566-05-00	MORIAH, TOWN OF	Designing and construction of sanitary sewer improvements to maintain water quality in Lake Champlain.	\$7,130,000	\$7,130,000		NY0022969	61
C4-5442-08-00	AMSTERDAM, CITY OF	Planning, design, and construction of the replacement of sanitary sewers to reduce infiltration and inflow and maintain water quality in the Mohawk River.	\$8,147,000	\$8,147,000		NY0020290	58
C4-5484-06-00	SCOTIA, VILLAGE OF	Planning, design, and construction of a wastewater treatment plant to serve the Village and portions of the Town of Glenville to maintain water quality in the Mohawk River.	\$18,535,000	\$18,535,000		NEW SPDES	57
C1-5123-06-00	RIVERHEAD, TOWN OF	Planning, design and construction for a sewage treatment plant replacement and additional pump stations in the Calverton Sewer District.	\$7,089,000	\$7,089,000		NY0025453	56
C9-6645-02-00	WEST SENECA, TOWN OF	Planning, design and construction of sewer line rehabilitation and elimination of sanitary sewer overflows to improve water quality in Cazenova Creek.	\$31,071,000	\$31,071,000		NY0028410	54
C8-6546-02-00	GENESE0, VILLAGE OF	Design and construction of improvements to a sewage treatment plant to improve water quality in the Genesee River.	\$4,000,000	\$4,000,000		NY0030635	54
C3-7353-16-00	WESTCHESTER COUNTY	Contract SOS-85, Planning, design, and construction of the realignment of Snowden Avenue Interceptor to effectively eliminate flows through the existing siphons, reduce odors in the area, and maintain water quality in the Hudson River.	\$2,240,000	\$2,240,000		NY0108324	53
C3-5384-03-00	WARWICK, VILLAGE OF	Planning, design, and construction of rehabilitation and improvements to the Village's wastewater collection system, pump stations, and treatment plant to improve water quality in the Wawayanda Creek.	\$4,609,000	\$4,609,000		NY0023680	53
C6-6058-05-00	GOUVERNEUR, VILLAGE OF	Design and construction of pump station improvements to maintain water quality in the St. Oswegatchie River.	\$1,883,000	\$1,883,000		NY0020117	53
C6-6058-07-00	GOUVERNEUR, VILLAGE OF	Planning, design, and construction of the replacement of certain manholes and catch basins to maintain water quality in the Oswegatchie River.	\$891,000	\$891,000		NY0020117	53
C9-6628-07-00	CHAUTAQUA COUNTY	Planning, design and construction of improvements to the existing WWTP of the SCLCSD to improve water quality in Chautauqua Lake.	\$3,344,400	\$3,344,400		NY0106895	51
C9-6632-03-00	CHAUTAQUA COUNTY	Planning, design and construction of facilities to expand the capacity of the NCLSD treatment plant and modify the process to meet new SPDES permit limits to improve water quality in Chautauqua Lake.	\$10,600,000	\$10,600,000		NY0020826	51

E These projects are subject to additional Federal requirements per the USEPA Capitalization Grant to NYS. Billed Projects have an existing short term financing

N Projects below subsidy line with complete FFY 2015 financing applications. These projects are eligible for subsidized financing in FFY 2016.

* SPDES permit numbers are set forth herein, where applicable, and information concerning discharge requirements is set forth in each SPDES permit.

W Projects with non-hardship and hardship components listed in Category A or B and Category D to accurately account for all funds allocated to the project.

**Albany Water Board
Arcadis Engineering Report
Date: December 18, 2015**

Upcoming LTCP Projects\Dates

- **Big “C” Control Facility** – The project was awarded to the Albany Pool Joint Venture Team. Completed Preliminary Design Report is due 8/1/2016.
- **Investigate Non-CSO Bacteria Sources Along Mill Creek, Poesten Kill, and Wynants Kill,** (Start Date 4/1/2016)
- **Performance of a Codes and Local Law Review, & Green Infrastructure Technical Design Guidance** - CDRPC awarded a contract to Barton & Loguidice. Local Law completion date is 8/1/2016, Technical Design Guidance by 8/1/2017.
- **Marietta Place Stormwater Storage Facility** – AWB has been discussing alternatives for project location and scope with Barton & Loguidice. Completed plans and specifications due by 10/1/2016.
- **Green Infrastructure Banking System Feasibility Assessment.** CDRCP has received proposals and is reviewing proposals. Work must be completed by 8/1/2017.

Arcadis Projects

- **Asset Management Program** – Final document has been completed; a final workshop is planned for Monday the 21st. This includes the development of an Asset Management Work Plan which will be used to assist the AWB prioritize and implement asset management elements into its operations.
- **Geographic Information System (GIS) Data Integration** – Presently working on sewer system GIS updates. Status update meeting is scheduled for next week to review completed work.
- **Long Term Control Plan Schedule of Compliance** – Monitoring deadlines and costs

ALBANY CITY WATER BOARD
CAPITAL IMPROVEMENTS
January 1, 2015 through December 15, 2015

GL No.	Project	2015 Proposed Budget	Status	Vendor	Asset	Invoice Date	Amount Spent to Date	Description of Project
7511	Supply Reservoir	\$ 75,000	COMPLETE	Banahan	Alcove Ponds	10/15/2015	\$ 17,760	Banahan Trucking remove sludge Alcove ponds
7512	Supply Conduit	\$ 200,000						
7530	Fuera Bush Filtration Plant	\$ 1,436,863	OPEN	Ryan-Biggs	FB Plant	Various	\$ 29,577	Engineer Service Plant roof and masonry contract
			OPEN	Ganem Construction	FB Plant	9/3/2015	\$ 179,978	Plant roof and masonry project
			OPEN	Ganem Construction	FB Plant	10/23/2015	\$ 279,495	Plant roof and masonry project
			OPEN	Ryan-Biggs	FB Plant	11/10/2015	\$ 5,662	Engineer Service Plant roof and masonry contract
							\$ 494,712	
7540	Distribution System	\$ 500,000						
7555	Loudonville Reservoir	\$ 25,000						
7556	Pumping Stations - Water	\$ 304,330	COMPLETE	Trinity Construction	Pine Bush Pump Stations and Controller	8/28/2015	\$ 304,330	Pine Bush pumping station improvements
			COMPLETE	Trinity Construction	Pine Bush Pump Stations and Controller	8/28/2015	\$ 17,353	Pine Bush pumping station improvements
7570	Engineering Fees-Water	\$ 100,000	OPEN	Arcadis	Engineering Service	11/1/2015	\$ 35,979	Engineering Services Water
			OPEN	Arcadis	Engineering Service	10/16/2015	\$ 5,966	
			OPEN	O'Brian	Engineering Service	11/6/2015	\$ 979	
							\$ 42,924	
7580	Erie Blvd Facility	\$ -						
7590	Contingency - Water	\$ 75,000						
7595	Computers/Meters	\$ 50,000	COMPLETE	Hewlett Packard	Chromebooks (10)	5/8/2015	\$ 1,990	
			COMPLETE	ABS Solutions	Computer	11/6/2015	\$ 1,984	
			COMPLETE	Staples	Laptop	11/10/2015	\$ 513	
							\$ 4,487	
7610	Sewer Separation	\$ 600,000	OPEN	Aug Bohl	Quail St Green Infrastructure Project	7/15/2015	\$ 77,615	
						8/15/2015	\$ 162,455	
						10/2015	\$ 362,000	Bond funds - GH8020.8585
						12/1/2015	\$ 401,925	
							\$ 1,003,995	
7620	Sewer Rehabilitation	\$ 500,000	OPEN	CHA	Elberon Place Flood Mitigation Study	Various	\$ 30,376	Elberon Place Flood Mitigation
			COMPLETE	CHA	Hansen and Ryckman Flood Mitigation Study		\$ 47,500	Hansen and Ryckman Flood Mitigation Study
			OPEN	CHA	Elberon Place Flood Mitigation Study		\$ 8,663	Elberon Place Flood Mitigation
			OPEN	CHA	Elberon Place Flood Mitigation Study		\$ 27,436	Elberon Place Flood Mitigation
							\$ 113,975	
7630	Pumping Stations Sewer	\$ 100,000	COMPLETE	Marando Construction	Normanskill Farm Sewer Lateral Installation	1/30/2015	\$ 62,400	Sewer lateral and relocation NS Fm
			COMPLETE	General Controls	McCormick Rd Sewer Pump Station	6/4/2015	\$ 15,900	Panel and level sensor
							\$ 76,300	
7640	Engineering Fees-Sewer	\$ 100,000	OPEN	CHA	Engineering Services Sewer		\$ 47,608	Engineering Services Sewer 14-04
				Barton and Loguidice	Engineering Services Sewer		\$ 1,116	Engineering Services Sewer 14-04
				CHA	Engineering Services Sewer		\$ 3,723	Engineering Services Sewer 14-04
				Barton and Loguidice	Engineering Services Sewer		\$ 1,607	Engineering Services Sewer 14-04
							\$ 54,054	
7650	Contingency - Sewer	\$ 100,000	COMPLETE	Arol Construction	Main Drain Valve	8/28/2015	\$ 6,500	Emergency Main Drain Valve CCTV
			COMPLETE	JAT Construction	Replace Sanitary Sewer Force Main New Scotland Ave	9/10/2015	\$ 11,325	CO and retainage 2014
							\$ 17,825	
7670	Overflows	\$ 75,000						

2015 Budgeted Capital Improvements \$ 4,241,193

Invoiced \$ 2,149,715 (\$362,000 is from bond funds, not the capital budget)



Spatial Informatics Group

Forest Carbon Offset Monetization Projections Matrix · Albany (NY) Water Authority Alcove Reservoir · VCS Market; IFM-ERA Project · High estimate of VCU yield

		Year of project										
		0	1	2	3	4	5	6	7	8	9	10
HIGH VCU YIELD SCENARIO												
1	REVENUE											
2	Year (2015-2025) projected carbon offset (VCU) quantity (MTCO _{2e})	-	7,901	7,901	7,901	7,901		23,702			23,702	
3	Offset price projections (\$/VCU)	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00
4	Gross revenue (2015 dollars) (2 x 3)	\$ -	\$ 79,006	\$ 79,006	\$ 79,006	\$ 79,006	\$ -	\$ 237,017	\$ -	\$ -	\$ 237,017	\$ -
5	Third-party costs: verification, initial project development (i.e., quantification & growth and yield, PDD), annual registry fees; excl. SIG annual costs ¹ (§ 14-21, 24-26, 28-30)	\$ (182,875)	\$ (45,830)	\$ (10,830)	\$ (10,830)	\$ (6,250)	\$ (31,250)	\$ (13,990)	\$ (6,250)	\$ (6,250)	\$ (13,990)	\$ (6,250)
6	Net annual revenue AWC, TNC, & SIG (4+5)	\$ (182,875)	\$ 33,175	\$ 68,175	\$ 68,175	\$ (6,250)	\$ (31,250)	\$ 223,026	\$ (6,250)	\$ (6,250)	\$ 223,026	\$ (6,250)
7	Cumulative net cash flow, AWC, TNC, & SIG	\$ (182,875)	\$ (149,700)	\$ (81,524)	\$ (13,349)	\$ (19,599)	\$ (50,849)	\$ 172,178	\$ 165,928	\$ 159,678	\$ 382,704	\$ 376,454
8	SIG annual costs (SIG reporting, quantification, calibration of model) (27)	\$ -	\$ -	\$ (20,000)	\$ (20,000)	\$ -	\$ -	\$ (20,000)	\$ -	\$ -	\$ (20,000)	\$ -
9	SIG revenue costs as % of annual net revenue (6)			29%	29%			9%			9%	
10	Net annual revenue AWC & TNC (6+8)	\$ (182,875)	\$ 33,175	\$ 48,175	\$ 48,175	\$ (6,250)	\$ (31,250)	\$ 203,026	\$ (6,250)	\$ (6,250)	\$ 203,026	\$ (6,250)
11	Cumulative net cash flow, AWC & TNC	\$ (182,875)	\$ (149,700)	\$ (101,524)	\$ (53,349)	\$ (59,599)	\$ (90,849)	\$ 112,178	\$ 105,928	\$ 99,678	\$ 302,704	\$ 296,454
12 EXPENSES												
13	One-time project development costs											
14	Project listing fee	\$ (1,000)										
15	Pre-assessment, eligibility screening, submit project listing documentation		\$ (1,500)									
16	Inventory ² (157 plots + 10%) = 173 * \$375/plot	\$ (64,875)										
17	Quantification/growth & yield modeling	\$ (61,500)										
18	Travel costs; 2 site visits: kick-off and verification		\$ (3,500)									
19	Project design documents & verification mgt.		\$ (36,000)									
20	FSC forest mgt. plan initial preparation, review	\$ (27,500)										
21	Initial third-party VCS verification	\$ (27,500)										
22	Initial project development costs (§ 14-21)	\$ (182,375)	\$ (41,000)									
23	Annual/ongoing costs											
24	Desk Review Verification		\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)
25	Registry Fee	\$ (500)	\$ (500)	\$ (500)	\$ (500)	\$ (500)	\$ (500)	\$ (500)	\$ (500)	\$ (500)	\$ (500)	\$ (500)
26	CAR credit fee	\$ -	\$ (1,580)	\$ (1,580)	\$ (1,580)	\$ -	\$ -	\$ (4,740)	\$ -	\$ -	\$ (4,740)	\$ -
27	Annual carbon accounting, modeling and monitoring report ¹		\$ (20,000)	\$ (20,000)	\$ (20,000)	\$ -	\$ -	\$ (20,000)	\$ -	\$ -	\$ (20,000)	\$ -
28	Onsite third-party verification every 5 years		\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (25,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)	\$ (3,000)
29	Ongoing inventory requirements		\$ (2,750)	\$ (2,750)	\$ (2,750)	\$ (2,750)	\$ (2,750)	\$ (2,750)	\$ (2,750)	\$ (2,750)	\$ (2,750)	\$ (2,750)
30	Ongoing FSC requirements		\$ (4,830)	\$ (30,830)	\$ (30,830)	\$ (6,250)	\$ (31,250)	\$ (33,990)	\$ (6,250)	\$ (6,250)	\$ (33,990)	\$ (6,250)
31	Annual costs (§ 24-30)	\$ (500)	\$ (4,830)	\$ (30,830)	\$ (30,830)	\$ (6,250)	\$ (31,250)	\$ (33,990)	\$ (6,250)	\$ (6,250)	\$ (33,990)	\$ (6,250)
32	Total Costs Per Year (§ 22, 31)	\$ (182,875)	\$ (45,830)	\$ (30,830)	\$ (30,830)	\$ (6,250)	\$ (31,250)	\$ (33,990)	\$ (6,250)	\$ (6,250)	\$ (33,990)	\$ (6,250)
33	Total SIG Costs Per Year (§ 15, 17, 18, 19, 8/27)	\$ (61,500)	\$ (41,000)	\$ (20,000)	\$ (20,000)	\$ -	\$ -	\$ (20,000)	\$ -	\$ -	\$ (20,000)	\$ -
34 Assumptions												
35	Registry Credit Issuance Fee	\$ 0.20										
36	VCU Price Increase/Year	\$ -	0%									
37	Inflation ³											

¹After initial project development (years 0 & 1), SIG costs for annual carbon accounting, modeling and monitoring reporting transition to costs to be paid as a proportion of annual revenue to align SIG's interests with project development and contain costs.

²Inventory costs are estimated based on the number of plots needed to achieve no confidence deduction plus a small (10%) buffer to hedge against random variation. It may actually be more cost-effective to pay lower up-front inventory costs to sample somewhat fewer plots, while accepting a small confidence deduction and reducing the number of VCUs issued. AWC staff could help with inventory thus reducing out-of-pocket expenses. ³Inflation excluded from this analysis. Costs not necessarily expected to change dramatically relative to overall inflation; all estimates of revenue and costs in 2015 dollars. This worksheet not intended to be a binding agreement.



Original Submittal: November 19, 2015

Revision No. 1: December 7, 2015

Joseph E. Coffey, Jr., P.E., Commissioner
Albany Water Board
10 North Enterprise Drive
Albany, NY 12204

Attn: Mr. William Simcoe, P.E.

**RE: Albany Water Board On-Call Engineering Contract
Lodge Street Waterline Replacement and Roadway Widening Proposal**

Dear Mr. Coffey:

Per your request, CHA is pleased to provide this proposal to the Albany Water Board (AWB) and City of Albany (City) to provide surveying and engineering services to evaluate alternatives to rehabilitate or replace the existing waterline, and to widen the Lodge Street roadway section to allow for a two-directional traffic pattern to be established between Howard Street and State Street. Our proposed scope of services is discussed in more detail below for your consideration.

SCOPE OF SERVICES

Phase 1 – Project Development Phase

A. Survey Services

CHA will prepare a topographic survey, along a 300'± section of Lodge Street, located in Albany, New York. The survey shall include the full Right of Way width, between Howard Street and State Street. Mapping shall show, but not be limited to pavement limits, walks, curbing, driveways, retaining walls, fences, above and below grade utilities, and approximate Right of Way and adjoining parcel boundaries. Boundary and Right of Way lines shall be shown based information shown on Albany County Tax Mapping files. Spot elevations will also be obtained at a frequency sufficient to prepare an accurate Digital Terrain Model (DTM) and contours for the area. Utilities will be shown based on surface locations and data obtained during the field survey combined with utility record mapping supplied by the owner or owners. Project base mapping will be prepared with a suitable scale and sheet size.

Recoverable horizontal and vertical control will be established on site for use during subsequent phases of the project. The horizontal and vertical datums will be referenced to NAD 83 and NAVD 88 respectfully and established on site via GPS survey methods and techniques.

General Assumptions:

- Project requires current NYS Department of Labor Prevailing Wage Rates for field survey personnel.
- A full Right of Way survey is not required.
- Soil boring locations, if any shall be established prior to the start of the field survey.
- Client shall provide available underground utility record mapping.
- CHA will file a NYS Dig Safe design ticket to collect private utility record information.
- Construction related survey services are not required.

B. Utility Investigations and Coordination with Private Utilities

CHA will evaluate alternatives for the rehabilitation or replacement of the waterline in regards to constructability, costs and benefits. Alternatives to be considered will include both trenchless and traditional dig alternatives, and could include:

- Cement mortar lining
- Slip-lining (fold and form)
- Cured-in-Place lining
- Epoxy spray lining
- Pipe bursting
- Directional drilling
- Traditional dig and replacement

The preferred option in regards to the water main rehabilitation or replacement method will depend on access, ground conditions, number of valves and/or laterals, and potential conflicts with other utilities; and determined in consideration of which method will provide the most cost-effective and/or time savings solution as prioritized by the AWB. The break history may determine the suitability of some of these methods. Furthermore, the limited length or number of feet to be rehabilitated or replaced for this project may render some processes to be less cost-effective. However, the AWB may ultimately wish to select a specific method to demonstrate the technology, should the AWB be exploring a more expansive water main replacement program.

As part of this task, CHA will work with the Albany Water Department to review the break history of the system along Lodge Street; and estimate the depth of burial for the existing waterline based on field measurements to be taken at existing valves. In addition, CHA will coordinate with private utilities to best approximate the depth of burial of their respective infrastructure in areas that could be impacted by the proposed waterline and/or roadway improvements. This work will specifically focus on potential waterline conflicts, along with the review of any infrastructure presently located along the west side of the roadway under the elevated section of sidewalk. Furthermore, CHA will attempt to obtain record drawings and/or information for the retaining wall along the west side of the roadway to determine the footing

depth and layout. Should no information exist for the existing retaining wall, CHA will work with the City of Albany DPW staff to perform a test pit(s) along the wall, as deemed necessary by the City. In addition, should the AWB determine that the existing sanitary sewer within the project limits requires rehabilitation, CHA will identify and evaluate alternatives.

C. Conceptual Roadway Layout

The City of Albany would like to establish a two-directional traffic flow pattern along Lodge Street, between Howard Street and State Street, along with parking on the east side of the street. The existing roadway section is approximately 24-feet wide. Based on two (2) 11-foot travel lanes plus one 8-foot parking lane, the existing section needs to be widened approximately 6 additional feet. CHA will evaluate the following two (2) alternatives in consideration of meeting the City's objectives:

- The roadway will be widened on the west side only, with potential elimination of the sidewalk on the west side of the street.
- The roadway will be widened on both sides, impacting the curb and sidewalk system on both sides of the roadway.

The conceptual designs will consider impacts to other utilities, along with street lighting and traffic signal poles, and in consideration of ADA requirements for the sidewalks. We understand that traffic and handicap ramp improvements are presently proposed at the Howard Street and Lodge Street intersection; and as such, we will coordinate any potential issues with the City of Albany Traffic Engineering Services Division. For the purposes of the concept layouts, it is assumed that the retaining wall footing and/or private utilities will not preclude the widening of the roadway. Cost budget estimates will be developed for both conceptual alternatives, along with a summary of benefits associated with the two respective options.

CHA will meet with the AWB and City of Albany to review the waterline/sewer rehabilitation or replacement options along with the roadway widening alternatives, to define the potential improvements to be advanced in the design phase for the project.

Phase 2 – Preliminary and Final Design Phase

A. Development of the Plans, Specifications and Estimates

Drawings and specifications shall include all necessary documentation to approve, bid, procure, construct and properly test materials and components of the proposed improvements in accordance with current local, state, and federal codes, standards and regulations. Submissions shall be made to the AWB and City at the preliminary (70%) and final (100%) stages of the design process, with each submission including a revised construction budget estimate.

Waterline drawings shall be prepared in plan and profile format, with profiles indicating the approximate locations of existing and proposed utilities in order to resolve potential conflicts. It is anticipated that the proposed waterline improvements will include any necessary hydrants, valves

and appurtenances. Assistance will be provided to the AWB in obtaining New York State Department of Health (NYSDOH) approval, if required.

The proposed street improvements shall include the development of a full depth pavement and subbase section in areas of the roadway widening, with milling and resurfacing across the remaining street; installation of new granite curbing; replacement of concrete sidewalks; drainage considerations; vehicular and pedestrian traffic; and relocation of street lighting and traffic signal poles, as deemed necessary for construction. Horizontal and vertical alignment plans will be prepared for the proposed roadway, curbs and sidewalks, and shall provide all detailing necessary for construction. It is assumed that no additional soil borings or information will be required for the project, CHA will collect and review existing information and/or consult the City of Albany based on recent or ongoing work in the immediate vicinity of Lodge Street.

For the purposes of this proposal, the following drawing list is provided to reflect the level of effort that we anticipate for bidding and construction purposes:

- Cover Sheet
- G-001 List of Drawings, General Abbreviations, Notes and Symbols
- C-101 Demolition Plan
- C-102 Roadway Layout and Profiles
- C-103 Waterline Rehabilitation/Replacement
- C-501 Miscellaneous Details
- C-502 Maintenance and Protection of Traffic Details
- S-101 Structural Details for Vault Modifications and/or Lighting Pole Relocations (If Required)
- E-101 Electrical Notes and Details for Lighting Pole Relocations (If Required)

B. Bid Phase Services

CHA proposes to assist the City through the Bid Phase by offering the following services:

- Assist the City with the bid process by preparing instructions to bidders and bid advertisements for the City to publish, in accordance with General Municipal Law.
- Provide twenty (20) digital copies of the contract documents (plans and specifications) for distribution to prospective bidders.
- Prepare addenda to the contract documents, as required, to clarify bidder questions.
- Assist the City with the receipt of bids, evaluation of bids, and award of the contract to the lowest responsible bidder.

C. Meeting Attendance and Coordination

Over the course of this project, CHA shall maintain close coordination and communication with the AWB and the City. It is anticipated that CHA shall meet with the AWB and City staff to review comments and discuss project concerns following the submission of the preliminary and final design plans.



PROFESSIONAL FEES

CHA proposes to be compensated for the scope of services defined in this proposal based on an hourly not-to-exceed basis, plus expenses. CHA will not exceed these amounts without specific written authorization from the AWB and/or City of Albany.

Task Description	Budget
Phase 1 – Project Development Phase:	\$15,000
Survey Services	\$4,500
Utility Investigations and Coordination with Private Utilities	\$4,500
Conceptual Roadway Layouts	\$6,000
Phase 2 – Preliminary and Final Design Phase:	\$23,500
Development of the Plans, Specifications and Estimates	\$20,000
Bid Phase Services	\$2,500
Meeting Attendance and Coordination	\$1,000
Total Budgeted Amount	\$38,500

SCHEDULE

Task Description	Completion Date
Phase 1 – Project Development Phase:	
Survey Services	12/08/15
Utility Investigations and Coordination with Private Utilities	12/18/15
Conceptual Roadway Layout	12/29/15
Meeting with the AWB and City of Albany	12/30/15
Phase 2 – Preliminary and Final Design Phase:	
Preliminary Plans, Specifications and Estimates (70% Design)	01/20/16
Final Plans, Specifications and Estimates (100% Design)	02/10/16



If the proposal is acceptable, please provide CHA notification in order for us to expedite this work. Please do not hesitate to contact me at (518) 453-3910 or mmiller@chacompanies.com if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Michael F. Miller". The signature is fluid and cursive, with a long horizontal stroke at the end.

Michael F. Miller, P.E.
Vice President



December 4, 2015

Joseph E. Coffey, Jr., P.E., Commissioner
Albany Water Board
10 North Enterprise Drive
Albany, NY 12204

Attn: Mr. William Simcoe, P.E.

**RE: Albany Water Board On-Call Engineering Contract
Bouck Street Regulator Optimization Proposal**

Dear Mr. Coffey:

Per your request, CHA is pleased to provide this proposal to the Albany Water Board (AWB) to provide surveying and engineering services to modify the existing regulator in the vicinity of Bouck Street. As part of the Albany Pool CSO Long Term Control Plan, modifications are proposed to the existing regulator structure and connection to the ACSD interceptor. Specifically, the project will replace small diameter sewer pipe (10 and 12" diameter) with a new 30" diameter connection to the interceptor to optimize flows being delivered to the treatment plant. As part of this work, it will be determined if a new regulator or backflow prevention device will need to be re-established in the system. Our proposed scope of services is discussed in more detail below for your consideration.

SCOPE OF SERVICES

A. Survey Services

CHA will prepare a topographic survey, along a 300'± section of South Pearl Street, located in Albany, New York. The survey shall include the full Right of Way width, between the overflow structure and the connection to the ACSD interceptor. Mapping shall show, but not be limited to pavement limits, walks, curbing, driveways, retaining walls, fences, buildings, above and below grade utilities, and approximate Right of Way and adjoining parcel boundaries. Boundary and Right of Way lines shall be shown based information shown on Albany County Tax Mapping files. Spot elevations will also be obtained at a frequency sufficient to prepare an accurate Digital Terrain Model (DTM) and contours for the area. Utilities will be shown based on surface locations and data obtained during the field survey combined with utility record mapping supplied by the owner or owners. Project base mapping will be prepared with a suitable scale and sheet size.

Recoverable horizontal and vertical control will be established on site for use during subsequent phases of the project. The horizontal and vertical datums will be referenced to NAD 83 and NAVD 88 respectfully and established on site via GPS survey methods and techniques.

General Assumptions:

- Project requires current NYS Department of Labor Prevailing Wage Rates for field survey personnel.
- Client shall provide available underground utility record mapping.
- CHA will file a NYS Dig Safe design ticket to collect private utility record information.
- Construction related survey services are not required.

B. Development of the Plans, Specifications and Estimates

Drawings and specifications shall include all necessary documentation to approve, bid, procure, construct and properly test materials and components of the proposed improvements in accordance with current local, state, and federal codes, standards and regulations. Submissions shall be made to the AWB at the preliminary (70%) and final (100%) stages of the design process, with each submission including a revised construction budget estimate.

The proposed modifications shall be prepared in plan and profile format, with profiles indicating the approximate locations of existing and proposed utilities in order to resolve potential conflicts. It is assumed that no additional soil borings or information will be required for the project, CHA will collect and review existing information and/or consult the AWB and City of Albany based on recent or ongoing work in the vicinity of the project. If necessary, CHA will update the SWMM model that was previously developed under the Albany Pool CSO Long Term Control Plan.

For the purposes of this proposal, the following drawing list is provided to reflect the level of effort that we anticipate for bidding and construction purposes:

- Cover Sheet
- G-001 List of Drawings, General Abbreviations, Notes and Symbols
- C-101 Demolition Plan
- C-102 Sewer Connection Layout and Profile
- C-501 Miscellaneous Details
- S-101 Structural Details for Vault Modifications

B. Bid Phase Services

CHA proposes to assist the AWB through the Bid Phase by offering the following services:

- Assist with the bid process by preparing instructions to bidders and bid advertisements for the AWB to publish, in accordance with General Municipal Law.
- Provide twenty (20) digital copies of the contract documents (plans and specifications) for distribution to prospective bidders.
- Prepare addenda to the contract documents, as required, to clarify bidder questions.



- Assist with the receipt of bids, evaluation of bids, and award of the contract to the lowest responsible bidder.

C. Meeting Attendance and Coordination

Over the course of this project, CHA shall maintain close coordination and communication with the AWB. It is anticipated that CHA shall meet with the AWB staff to review comments and discuss project concerns following the submission of the preliminary and final design plans.

PROFESSIONAL FEES

CHA proposes to be compensated for the scope of services defined in this proposal based on an hourly not-to-exceed basis, plus expenses. CHA will not exceed these amounts without specific written authorization from the AWB.

Task Description	Budget
Survey Services	\$4,500
Development of the Plans, Specifications and Estimates	\$18,500
Bid Phase Services	\$2,500
Meeting Attendance and Coordination	\$1,000
Total Budgeted Amount	\$26,500

SCHEDULE

Task Description	Completion Date
Survey Services	12/15/15
Development of the Plans, Specifications and Estimates:	
Preliminary (70% Design)	01/27/16
Final (100% Design)	02/17/16

If the proposal is acceptable, please provide CHA notification in order for us to expedite this work. Please do not hesitate to contact me at (518) 453-3910 or mmiller@chacompanies.com if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Michael F. Miller". The signature is written in a cursive style with a long, sweeping underline.

Michael F. Miller, P.E.
Vice President



**RYAN BIGGS
CLARK DAVIS**
ENGINEERING & SURVEYING

December 14, 2015

Mr. William Simcoe
Deputy Commissioner
City of Albany
Department of Water & Water Supply
10 North Enterprise Drive
Albany, New York 12204

**Re: Feura Bush Filtration Plant
Masonry Repairs and Roofing
Ryan-Biggs Proposal Project 10833**

Dear Bill:

Attached please find proposed Change Order 1 for the above referenced project. The scope of the change order items include three new doors and scope revisions to the masonry and concrete repairs which address needed repairs to unforeseen conditions that were uncovered during the construction.

The cost for the work performed has been charged against the bid allowance.

The change in the contract is for a time extension as some of the repair materials are temperature sensitive and need to be performed after winter.

Please call me if you have questions.

Sincerely,

RYAN BIGGS | CLARK DAVIS
ENGINEERING & SURVEYING, P.C.

Jack Healy, P.E.
Principal

JCH/jch/LT.01



RYAN BIGGS
CLARK DAVIS
ENGINEERING & SURVEYING

December 14, 2015

Mr. William Simcoe
Deputy Commissioner
City of Albany
Department of Water & Water Supply
10 North Enterprise Drive
Albany, New York 12204

**Re: Feura Bush Filtration Plant
Masonry Repairs and Roofing
Ryan-Biggs Proposal Project 10833**

Dear Bill:

Attached please find proposed Change Order 2 for the above referenced project. The scope of the change order items include addressing unforeseen conditions that were not included in the base contract. The work includes rebuilding a small section of brick masonry and installing lead caps at the coping joints. The total cost of the work is \$8,400.

We have reviewed the scope of work and costs. In our opinion, the cost is reasonable and we recommend approving the proposed change order.

Please call me if you have questions.

Sincerely,

RYAN BIGGS | CLARK DAVIS
ENGINEERING & SURVEYING, P.C.

Jack Healy, P.E.
Principal

JCH/jch/LT.02



CHANGE ORDER 01

(Allowance Description and Contract Time Change)

Ganem Contracting Corp.
 Ushers 9 Park – Route 9
 PO Box 1349
 Clifton Park, NY 12065

Date: November 30, 2015
 Owner: City of Albany
 Department of Water and Water Supply
 Feura Bush Filtration Plant
 Masonry Repairs and Roofing
 Project name:
 Change order number: 01
 Reason for Change: Unforeseen conditions and door materials

As part of the contract allowance, you are directed to perform the following work items:

Added Work Item:

Remove masonry, repair steel, install waterproofing, and rebuilding masonry at roof steel beams:	\$5,600
Additional rebuild of masonry veneer at maintenance area because of lack of anchoring:	\$8,960
Additional repointing on the north wall below the parapet:	\$1,900
Repair bricks at base of wall and install cement board to provide smooth upward turn for roofing:	\$6,330
Additional parging repairs on west wall at roof step.	\$1,500
New doors and hardware	\$1,963

Deleted Work Item:

Delete concrete patching work on interior of building at maintenance shop and under stairs: (\$9,753 labor and \$1,500 material)	<u>-\$11,253</u>
---	------------------

Total : \$15,000

The original contract sum was:	\$972,000.00
Net amount of previous change orders:	\$0
Total original contract amount plus or minus net previous change orders:	\$972,000.00
Total contract change: (\$15,000 - \$15,000 allowance in contract = \$0)	\$0
The new contract amount including this change order will be:	\$972,000.00

The contract time will be changed by the following number of days: (151) Days

Note: some products are temperature sensitive.

The date of completion as of the date of this change order is: April 30, 2016

Contractor:
Ganem Contracting Corp.

Owner:
City of Albany
Department of Water and Water Supply

 Signature Date Signature Date



CHANGE ORDER 02

Ganem Contracting Corp.
 Ushers 9 Park – Route 9
 PO Box 1349
 Clifton Park, NY 12065

Date: December 7, 2015
 Owner: City of Albany
 Department of Water and Water Supply
 Project name: Feura Bush Filtration Plant
 Masonry Repairs and Roofing
 Change order number: 02
 Reason for Change: Unforeseen conditions, high priority repairs

You are directed to make the following changes in this contract:

Contract Add:	
Low roof parapet veneer rebuild: 20 SF x \$140/SF	\$2,800
Weathercap joints: 90 LF x \$60/LF	\$5,400
Total Add:	\$8,200

The original contract sum was:	\$972,000.00
Net amount of previous change orders:	\$0
Total original contract amount plus or minus net previous change orders:	\$972,000.00
Total amount of this change order:	+\$8,200
The new contract amount including this change order will be:	\$980,200.00
The contract time will be changed by the following number of days:	(0) Days
The date of completion as of the date of this change order is:	April 30, 2016

Contractor:
Ganem Contracting Corp.

Owner:
City of Albany
Department of Water and Water Supply

 Signature Date Signature Date

Albany Water Board
Albany Municipal Water Finance Authority

PRELIMINARY 11/20/15

Summary Budget and Transfer Document
2016 (With Comparative Numbers for 2015)

	2016	2015
Water/sewer revenue	\$ 37,000,000	\$ 34,700,000
Investment revenue	200,000	150,000
Total revenue	37,200,000	34,850,000
System operating expenses (Schedule A) (net of capital projects)	28,456,200	26,176,818
Board expenses (Schedule B)	44,000	44,000
Authority expenses (Schedule C)	75,000	65,000
Total expenses	28,575,200	26,285,818
Amount available to fund debt service and capital projects	8,624,800	8,564,182
Debt service (Schedule D)	(6,388,522)	(6,417,345)
Capital projects	(3,000,000)	(3,000,000)
Budgeted cash deficit	\$ (763,722)	\$ (853,163)

<u>Debt Ratio Computation</u>		
1.15:1 Requirement	\$ 8,624,800	\$ 8,564,182
	\$ 6,388,522	\$ 6,417,345
	= 1.35:1	= 1.33:1

SCHEDULE A

Albany Water Board

Schedule of Budgeted Operating Expenditures 2016 (With Comparative Budget Information for 2012, 2013, 2014 and 2015)

	2016	2015	2014	2013	2012
TAXES PAID TO MUNICIPALITIES	\$ 2,112,359	\$ 2,031,114	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
ADMINISTRATION					
Personal Services	1,152,736	910,771	753,637	735,255	768,140
Equipment	1,000	1,000	-	1,500	7,500
Contractual and Other Expenses	193,148	178,019	139,400	146,900	150,800
Benefits	390,398	346,151	300,156	293,247	183,763
	1,737,282	1,435,941	1,193,193	1,176,902	1,110,203
SOURCE OF SUPPLY, POWER AND PUMPING					
Personal Services	803,481	872,825	916,869	887,862	887,862
Equipment	43,000	-	-	27,500	42,500
Contractual and Other Expenses	104,913	112,030	95,200	123,700	126,300
Benefits	358,894	305,646	265,410	214,921	252,921
	1,310,288	1,290,501	1,277,479	1,253,983	1,309,583
PURIFICATION					
Personal Services	1,139,326	1,106,042	1,107,857	1,082,423	1,082,423
Equipment	190,000	190,000	115,000	115,000	59,000
Contractual and Other Expenses	1,146,062	1,123,178	1,003,000	1,070,000	1,076,500
Benefits	375,037	281,837	245,751	347,805	320,805
	2,850,425	2,701,057	2,471,608	2,615,228	2,538,728
TRANSMISSION AND DISTRIBUTION					
Personal Services	2,531,584	2,441,091	2,265,319	2,173,253	2,173,253
Equipment	745,000	526,000	241,000	318,500	271,500
Contractual and Other Expenses	1,628,765	1,636,097	1,443,670	1,535,750	1,538,750
Benefits	849,238	759,548	663,297	776,348	750,947
	5,754,587	5,362,736	4,613,286	4,803,851	4,734,450
SEWER MAINTENANCE					
Personal Services	825,134	577,104	725,996	699,726	699,726
Equipment	589,000	166,000	120,000	120,000	65,000
Contractual and Other Expenses	1,714,370	1,274,710	1,256,000	1,261,000	1,464,000
Benefits	196,956	217,330	195,539	203,529	208,529
	3,325,460	2,235,144	2,297,535	2,284,255	2,437,255
PUMPING STATIONS					
Personal Services	149,790	149,790	149,790	143,642	143,642
Equipment	25,000	15,000	15,000	25,000	25,000
Contractual and Other Expenses	400,609	334,573	310,650	338,150	319,150
Benefits	37,757	70,259	59,459	65,989	57,989
	613,156	569,622	534,899	572,781	545,781
ALBANY COUNTY SEWER CONTRACT	6,177,000	6,050,000	6,000,000	6,200,000	6,200,000
CITY OVERHEAD ALLOCATIONS	1,150,000	750,000	-	-	-
CONTINGENCIES AND OTHER	3,425,643	3,750,703	2,961,000	3,186,000	3,051,000
TOTALS BEFORE CAPITAL PROJECTS	\$ 28,456,200	\$ 26,176,818	\$ 23,349,000	\$ 24,093,000	\$ 23,927,000

2016 BUDGET NOTES:

- The 2016 budget principally reflects estimated expenditures prepared by the Department and the City Budget Office.
- The 2016 contingencies and other category includes budgeted undistributed employee benefits in the amount of \$2,043,707 (\$1,277,000 of which relates to NYS Retirement System contributions), fees and services in the amount of \$377,827, contingencies in the amount of \$650,000, and other items in the amount of \$354,109, as compiled by the City Budget Office.
- The 2016 budget provides for \$3,000,000 in capital expenditures which are not included in the above operating expenditures.
- The 2016 City overhead allocations include an additional \$400,000 in costs relating to engineering services.

SCHEDULE B

Albany Water Board

**Board Expense Budget
2016**

Member Stipends	\$ 25,000
Payroll Taxes	4,000
Financial Advisor Fees	10,000
Other Administrative Costs/Contingencies	5,000
	<hr/>
	\$ 44,000 *

**Without regard to carryover of unexpended funds from 12/31/15.*

Total 2016 Budget	\$ 44,000
Less: Estimated Cash to be Carried-Over From 2015 to 2016	<u> -</u>
Amount of 2016 Transfer	<u>\$ 44,000</u>

SCHEDULE C**Albany Municipal Finance Authority****Authority Expense Budget
2016**

Member Stipends	\$ 30,000
Payroll Taxes	5,000
Legal Fees	15,000
Financial Advisor Fees	10,000
Trustee and EFC Administrative Fees	10,000
Other Administrative Costs/Contingencies	5,000
	<u>\$ 75,000 *</u>

**Without regard to carryover of unexpended funds from 12/31/15.*

Total 2016 Budget	\$ 75,000
Less: Estimated Cash to be Carried-Over From 2015 to 2016	<u> -</u>
Amount of 2016 Transfer	<u>\$ 75,000</u>

SCHEDULE D

Albany Municipal Water Finance Authority

Authority Debt Service Budget 2016

2011 SERIES BONDS		Total
Interest Payment (June 1, 2016)		\$ 878,675
Principal Payment (December 1, 2016)		4,420,000
Interest Payment (December 1, 2016)		878,675
Total Funding Needed (through December 1, 2016 debt service payments)		6,177,350
Less: Amount of Current Holdings ^(D)		-
Budget Totals		\$ 6,177,350 (A) (C)
Monthly Transfer (1/11 th)		\$ 561,580

ADDITIONAL DEBT SERVICE REQUIRED ON SRF BONDS^(B)

	Total	2016 Issue	2010 C Issue	2012 B (1) Issue	2012 B (2) Issue	2012 B (3) Issue
01/15/2016 Interest ^(B)	\$ 38,735	\$ -	\$ -	\$ -	\$ 31,279	\$ 7,456
01/15/2016 Principal	30,000	-	-	-	30,000	-
02/15/2016 Interest ^(B)	8,679	-	-	8,679	-	-
04/15/2016 Interest ^(B)	1,092	-	1,092	-	-	-
07/15/2016 Interest ^(B)	37,894	-	-	-	30,438	7,456
07/15/2016 Principal	50,000	-	-	-	30,000	20,000
08/15/2016 Principal	20,000	-	-	20,000	-	-
08/15/2016 Interest ^(B)	8,680	-	-	8,680	-	-
10/15/2016 Principal	15,000	-	15,000	-	-	-
10/15/2016 Interest ^(B)	1,092	-	1,092	-	-	-
Total	\$ 211,172 (C)	\$ - (E)	\$ 17,184	\$ 37,359	\$ 121,717	\$ 34,912

^(A) See Transfer Schedule

^(B) Without Regard to EFC Interest Subsidy Credits and Administrative Fees

^(C) Total Debt Service Requirements for 2016 = **\$6,388,522**

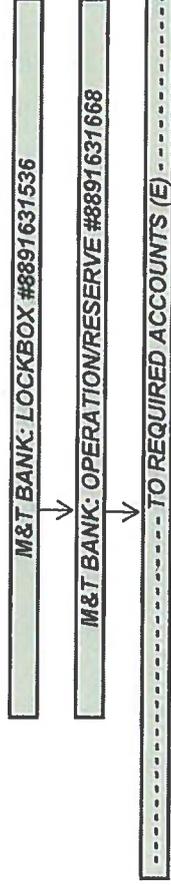
^(D) Estimated account balance as of December 31, 2015.

^(E) The Debt Service Requirements relating to the first tranche of the LTCP project financing is currently not quantified and, as such, is excluded from this debt schedule.

SCHEDULE E

**Albany Water Board
Albany Municipal Water Finance Authority**

**Required Transfer Schedule
2016**



On The 1st Day Of	Board Expense M&T Bank #8891631650	City Account KeyBank #710990019	Ongoing Projects Fidelity #676202885 (C)	Authority (Expense) Fund) Checking M&T Bank #8891632161	2011A Debt Service Fund M&T Trust #1033343
January	\$ 4,400	\$ 2,280,500	\$ -	\$ 6,250	\$ 561,580
February	3,600	1,680,600	250,000	6,250	561,580
March	3,600	4,769,000	250,000	6,250	561,580
April	3,600	1,680,600	250,000	6,250	561,580
May	3,600	1,680,600	250,000	6,250	561,580
June	3,600	1,680,600	250,000	6,250	561,580
July	3,600	1,680,600	250,000	6,250	561,580
August	3,600	1,680,600	250,000	6,250	561,580
September	3,600	3,192,859	250,000	6,250	561,580
October	3,600	4,769,000	-	6,250	561,580
November	3,600	1,680,600	-	6,250	561,580
December	3,600	1,680,641	-	6,250	561,580
	\$ 44,000	\$ 28,456,200 (D)	\$ 2,000,000	\$ 75,000	\$ 6,177,380

- NOTES:**
- (A) All Authority Debt Service Fund transfers are provided on a priority basis.
 - (B) Any excess balances are to be transferred to (or from) Operation/Maintenance Reserve Account (M&T Bank: #8891631668).
 - (C) Funding budgeted for 2016 represents the 6th year of funding.
 - (D) Operating budget of \$28,456,200 to be funded monthly. The capital projects budget of \$3,000,000 will be advanced by the City and repaid through the tax rollover process in December 2016.
 - (E) Excess funds are transferred to Fidelity (#676196705).

COPY TO: M&T BANK; JOHNSON ADVISORS; CITY COMPTROLLER

RESOLUTION NO. 15-46

December 18, 2015

RESOLUTION AUTHORIZING THE COMMISSIONER TO EXECUTE A NEW
TASK ORDER UNDER A MASTER SERVICES AGREEMENT WITH CHA
ENGINEERS

WHEREAS, the Albany Water Board is a local authority established under the
New York State Public Authorities Law; and,

WHEREAS, the Albany Water Board has the power to enter into agreements with
the City of Albany when in the best interest of the Board; and,

WHEREAS, the Albany Water Board has the authority to authorize the
Commissioner to execute agreements; and,

WHEREAS, the Albany Water Board is in need of Engineering work associated
with the Lodge Street Waterline Replacement and Roadway Widening in the
amount of \$38,500; and,

NOW, THEREFORE, BE IT RESOLVED, that the Albany Water Board
authorizes the Commissioner to execute a new task order under the Master Services
Agreement with CHA Engineers for Survey and Engineering work associated with the
Lodge Street Waterline Replacement and Roadway Widening in the amount of \$38,500.
The adoption of the Resolution was duly put to a vote on roll call, which resulted as
follows:

David R. McGuire

VOTING

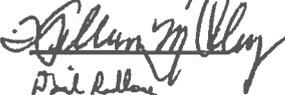


Leo P. Dean

VOTING

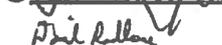
William M. Clay

VOTING



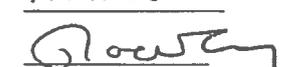
Daniel R. Ranellone

VOTING



Rachel McEneny

VOTING



The foregoing Resolution was thereupon declared duly adopted.

RESOLUTION NO. 15-47

December 18, 2015

RESOLUTION AUTHORIZING THE COMMISSIONER TO EXECUTE A NEW
TASK ORDER UNDER A MASTER SERVICES AGREEMENT WITH CHA
ENGINEERS

WHEREAS, the Albany Water Board is a local authority established under the
New York State Public Authorities Law; and,

WHEREAS, the Albany Water Board has the power to enter into agreements with
the City of Albany when in the best interest of the Board; and,

WHEREAS, the Albany Water Board has the authority to authorize the
Commissioner to execute agreements; and,

WHEREAS, the Albany Water Board is in need of Engineering work associated
with the Bouck Street Regulator Optimization in the amount of \$26,500; and,

NOW, THEREFORE, BE IT RESOLVED, that the Albany Water Board
authorizes the Commissioner to execute a new task order under the Masters Services
Agreement with CHA Engineers for Survey and Engineering work associated with the
Bouck Street Regulator Optimization in the amount of \$26, 500.

The adoption of the Resolution was duly put to a vote on roll call, which resulted as
follows:

David R. McGuire

VOTING

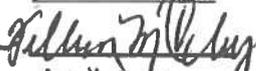


Leo P. Dean

VOTING

William M. Clay

VOTING



Daniel R. Ranellone

VOTING

 (Aye)

Rachel McEneny

VOTING



The foregoing Resolution was thereupon declared duly adopted.

RESOLUTION NO. 15-48

December 18, 2015

RESOLUTION AUTHORIZING THE CHAIRMAN TO EXECUTE CHANGE ORDER #1 AND CHANGE ORDER #2 to CONTRACT WITH GANEM CONTRACTING INC. FOR FEURA BUSH FILTRATION PLANT MASONRY REPAIRS AND ROOFING

WHEREAS, the Albany Water Board is a local authority established under the New York State Public Authorities Law; and,

WHEREAS, the Albany Water Board has the power to enter into agreements with the City of Albany when in the best interest of the Board; and,

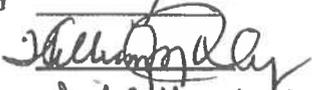
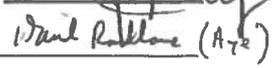
WHEREAS, the Albany Water Board has the authority to authorize the Chairman to execute agreements; and,

WHEREAS, change order #1 relates to an extension of time and an adjustment of an allowance value in the contract for Feura Bush Filtration Plant Masonry Repairs and Roofing; and,

WHEREAS, change order #2 relates to added work in the amount of \$8,200 in the contract for Feura Bush Filtration Plant Masonry Repairs and Roofing; and,

NOW, THEREFORE, BE IT RESOLVED, that the Albany Water Board authorizes Chairman, David R. McGuire, to execute the aforementioned Change Orders with Ganem Contracting Inc. for work associated with the Contract for Feura Bush Filtration Plant Masonry Repairs and Roofing.

The adoption of the Resolution was duly put to a vote on roll call, which resulted as follows:

David R. McGuire	VOTING	
Leo P. Dean	VOTING	
William M. Clay	VOTING	
Daniel R. Ranellone	VOTING	
Rachel McEneny	VOTING	

The foregoing Resolution was thereupon declared duly adopted.

RESOLUTION NO. 15-49

December 18, 2015

RESOLUTION APPROVING THE ALBANY WATER BOARD AND ALBANY MUNICIPAL WATER FINANCE AUTHORITY 2016 BUDGET SUMMARY AND TRANSFER DOCUMENT

WHEREAS, the Albany Water Board is a local authority established under the New York State Public Authorities Law; and,

WHEREAS, the Albany Water Board has the power to enter into agreements with the City of Albany when in the best interest of the Board; and,

WHEREAS, the Albany Water Board has the authority to authorize the Chairman to approve and accept documents related to the Budget; and,

WHEREAS, the Albany Water Board has reviewed the 2016 Budget Summary and Transfer Document prepared by UHY LLP; and,

NOW, THEREFORE, BE IT RESOLVED, that the Albany Water Board approves the 2016 Budget Summary and Transfer Document.

The adoption of the Resolution was duly put to a vote on roll call, which resulted as follows:

David R. McGuire

VOTING

Leo P. Dean

VOTING

William M. Clay

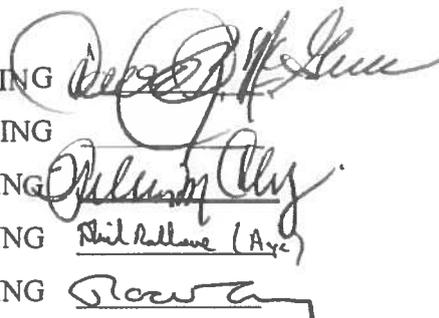
VOTING

Daniel R. Ranellone

VOTING

Rachel McEneny

VOTING



The foregoing Resolution was thereupon declared duly adopted.

RESOLUTION NO. 15-50

December 18, 2015

RESOLUTION AWARDING THE ALBANY POOL COMMUNITIES GREEN
INFRASTRUCTURE STORMWATER IN-LIEU FEES AND STORMWATER
CREDIT BANKING FEASIBILITY STUDY TO ARCADIS OF NEW YORK, INC.

WHEREAS, the Albany Water Board is a local authority established under the New York State Public Authorities Law; and,

WHEREAS, the Albany Water Board has the power to enter into agreements with the City of Albany when in the best interest of the Board; and,

WHEREAS, the Albany Water Board has the authority to award projects; and,

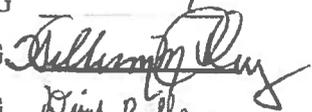
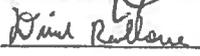
WHEREAS, the Albany Pool Communities Green Infrastructure Stormwater In-Lieu Fees and Stormwater Credit Banking Feasibility Study is a project, which is part of the Long Term Control Plan for mitigation of Combined Sewer Overflow; and,

WHEREAS, Arcadis of New York, Inc. is located at 855 Route 146, Clifton Park New York; and,

WHEREAS, Arcadis submitted a proposal for RFP 2015-02, dated November 20, 2015; and,

NOW, THEREFORE, BE IT RESOLVED, that the Albany Water Board awards the Albany Pool Communities Green Infrastructure Stormwater In-Lieu Fees and Stormwater Credit Banking Feasibility Study, which is part of the Long Term Control Plan for mitigation of Combined Sewer Overflow, to Arcadis of New York, Inc. in accordance to their aforementioned proposal.

The adoption of the Resolution was duly put to a vote on roll call, which resulted as follows:

David R. McGuire	VOTING	
Leo P. Dean	VOTING	
William M. Clay	VOTING	
Daniel R. Ranellone	VOTING	
Rachel McEneny	VOTING	

The foregoing Resolution was thereupon declared duly adopted.