

ANNUAL BOND SALES REPORT

Fiscal Year Ended March 31, 2019

**NEW YORK STATE ENERGY RESEARCH
AND DEVELOPMENT AUTHORITY**

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List of issuances, refundings, and conversions

List of outstanding bonds as of March 31, 2019

NYSERDA
 BOND SALES REPORT
 Fiscal year ended March 31, 2019

ISSUANCES

Company/Series	Date Issued	Date of Maturity	Amount Issued (\$000s)	Savings (\$000s)	Initial Interest Rate Mode	Initial Interest Rate	M/WBE Participation
Green Jobs Residential Solar and Energy Efficiency Revenue Bonds, Series 2019A	03/21/2019	04/01/2028	\$15,510	N/A	Fixed	3.152 - 4.577%	Yes

REFUNDINGS

Company/Series	Date Issued	Date of Maturity	Amount Issued (\$000s)	Savings (\$000s)	Initial Interest Rate Mode	Initial Interest Rate	M/WBE Participation
None							

CONVERSIONS

Company/Series	Date Converted	Date of Maturity	Principal Amount (\$000s)	Additional Savings (\$000s)	Initial Interest Rate Mode	Initial Interest Rate	M/WBE Participation
NYS Electric & Gas - 1994D	06/29/2018	10/01/2029	\$74,000	N/A	Weekly	3.5%	None
NYS Electric & Gas -2004C	06/29/2018	04/01/2034	\$100,000	N/A	Weekly	2.62%	None
Rochester Gas & Electric Company - 1997A	06/29/2018	08/01/2032	\$34,000	N/A	Weekly	3.0%	None
Rochester Gas & Electric Company - 1997B	06/29/2018	08/01/2032	\$34,000	N/A	Weekly	3.0%	None
Rochester Gas & Electric Company - 1997C	06/29/2018	08/01/2032	\$29,350	N/A	Weekly	3.0%	None
Rochester Gas & Electric Company - 2004A	06/29/2018	05/15/2032	\$10,500	N/A	Weekly	2.875%	None

Company/Series	Date Converted	Date of Maturity	Principal Amount (\$000s)	Additional Savings (\$000s)	Initial Interest Rate Mode	Initial Interest Rate	M/WBE Participation
Rochester Gas & Electric Company - 2004B	06/29/2018	05/15/2032	\$50,000	N/A	Weekly	3.0%	None

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
BONDS OUTSTANDING AS OF MARCH 31, 2019

Company	Project description	Series	CUSIP	Date Closed	Date Issued	Maturity	Amount Issued (000's)	Amount Outstanding (000's)
Central Hudson Gas & Electric Co.	Pollution Control Refunding Revenue Bonds	1999 B	649845 EW 0	8/3/1999	7/27/1999	7/1/2034	\$33,700	\$33,700
Central Hudson Gas & Electric Co. Total							\$33,700	\$33,700
Consolidated Edison Company	Facilities Revenue Bonds	2004C-1	64984E DF9	11/12/2004	11/5/2004	11/1/2039	\$33,000	\$33,000
Consolidated Edison Company	Facilities Revenue Bonds	2004C-2	64984E DE2	11/12/2004	11/5/2004	11/1/2039	\$33,000	\$33,000
Consolidated Edison Company	Facilities Revenue Bonds	2004C-3	64984E DD4	11/12/2004	11/5/2004	11/1/2039	\$33,000	\$33,000
Consolidated Edison Company	Facilities Revenue Bonds	2010A	64984E DN2	11/16/2010	11/9/2010	6/1/2036	\$224,600	\$224,600
Consolidated Edison Company	Facilities Revenue Bonds	2005 A-1	649848E DJ1	5/26/2005	5/26/2005	5/1/2039	\$42,100	\$42,100
Consolidated Edison Company	Facilities Revenue Bonds	2005 A-2	649848E DG7	5/26/2005	5/26/2005	5/1/2039	\$42,100	\$42,100
Consolidated Edison Company	Facilities Revenue Bonds	2005 A-3	649848E DH5	5/26/2005	5/26/2005	5/1/2039	\$42,100	\$42,100
Consolidated Edison Company Total							\$449,900	\$449,900
KeySpan Generation LLC	Electric Facilities Revenue Bonds	1997 A	649841 CR 2	12/30/1997	12/30/1997	12/1/2027	\$24,880	\$24,880
KeySpan Generation LLC	Pollution Control Refunding Rev Bonds	1999A	649845 FA7	10/27/1999	10/20/1999	10/1/2028	\$41,125	\$41,125
KeySpan Generation LLC Total							\$66,005	\$66,005
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1988 A	649845 FE9	12/22/1988	12/22/1988	12/1/2023	\$69,800	\$69,800
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1985 B	649845 FT6	12/26/1985	12/26/1985	12/1/2025	\$37,500	\$37,500
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1985 C	649845 FU3	12/26/1985	12/26/1985	12/1/2025	\$37,500	\$37,500
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1986 A	649845 FS8	12/18/1986	12/18/1986	12/1/2026	\$50,000	\$50,000
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1987 A	649845 FV1	3/26/1987	3/26/1987	3/1/2027	\$25,760	\$25,760
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1987 B-1	649845 FK5	7/16/1987	7/16/1987	7/1/2027	\$68,200	\$68,200
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	1987 B-2	649845 FM1	7/16/1987	7/16/1987	7/1/2027	\$25,000	\$25,000
Niagara Mohawk Power Corporation	Pollution Control Revenue Bonds	2004 A	649845 GA6	5/27/2004	5/19/2004	7/1/2029	\$115,705	\$115,705
Niagara Mohawk Power Corporation Total							\$429,465	\$429,465
NYS Electric & Gas Corporation	Pollution Control Revenue Bonds	2005 A	649845 GJ7	5/27/2005	5/18/2005	7/1/2026	\$65,000	\$65,000
NYS Electric & Gas Corporation	Pollution Control Revenue Bonds	2004A	649845 GDO	8/26/2004	8/26/2004	12/1/2027	\$34,000	\$34,000
NYS Electric & Gas Corporation	Adj./Fixed Rate Pollution Control Refunding Revenue Bonds	1994 B	649845 DD 3	2/23/1994	2/23/1994	2/1/2029	\$37,500	\$37,500
NYS Electric & Gas Corporation	Adj./Fixed Rate Pollution Control Refunding Revenue Bonds	1994 C	649845 DK 7	6/15/1994	6/15/1994	6/1/2029	\$63,500	\$63,500
NYS Electric & Gas Corporation	Adj./Fixed Rate Pollution Control Refunding Revenue Bonds	1994 D	649845 HD9	10/25/1994	10/25/1994	10/1/2029	\$74,000	\$74,000
NYS Electric & Gas Corporation	Pollution Control Revenue Bonds	2004C	649845 HH0	8/26/2004	8/26/2004	4/1/2034	\$100,000	\$100,000
NYS Electric & Gas Corporation Total							\$374,000	\$374,000
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	2004A	649845 HG2	8/26/2004	8/26/2004	5/15/2032	\$10,500	\$10,500
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	2004B	649845 HJ6	8/26/2004	8/26/2004	5/15/2032	\$50,000	\$50,000
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	1997A	649845 HE7	8/19/1997	8/1/1997	8/1/2032	\$34,000	\$34,000
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	1997B	649845 HF4	8/19/1997	8/1/1997	8/1/2032	\$34,000	\$34,000
Rochester Gas & Electric Company	Pollution Control Revenue Bonds	1997C	649845 HK3	8/19/1997	8/1/1997	8/1/2032	\$29,350	\$29,350
Rochester Gas & Electric Company Total							\$157,850	\$157,850
Subtotal - Conduit Utility Bonds							\$1,510,920	\$1,510,920
Green - Jobs Green New York Program Financing:								
Residential Energy Efficiency Financing Revenue Bonds, Series 2013A								
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAA6	8/1/2013	8/1/2013	7/1/2014	\$2,195	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAB4	8/1/2013	8/1/2013	7/1/2015	\$2,080	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAC2	8/1/2013	8/1/2013	7/1/2016	\$2,105	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAD0	8/1/2013	8/1/2013	7/1/2017	\$1,930	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAE8	8/1/2013	8/1/2013	7/1/2018	\$1,775	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAF5	8/1/2013	8/1/2013	7/1/2019	\$1,755	\$1,755
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAG3	8/1/2013	8/1/2013	7/1/2020	\$1,800	\$1,800
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAH1	8/1/2013	8/1/2013	7/1/2021	\$1,780	\$1,780
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAJ7	8/1/2013	8/1/2013	7/1/2022	\$1,590	\$1,590
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAK4	8/1/2013	8/1/2013	7/1/2023	\$1,445	\$1,445
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2024	\$1,385	\$1,385
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2025	\$1,350	\$1,350
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2026	\$1,375	\$1,375
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2027	\$1,075	\$1,075
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2013A	64985LAL2	8/1/2013	8/1/2013	7/1/2028	\$660	\$660
NYS Energy Res. & Development Auth. Total							\$24,300	\$14,215
Residential Energy Efficiency Financing Revenue Bonds, Series 2015A								
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2016	\$2,420	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2017	\$3,385	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2018	\$3,408	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2019	\$3,410	\$3,410
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2020	\$3,305	\$3,305
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2021	\$3,120	\$3,120
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2022	\$3,100	\$3,100
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2023	\$3,160	\$3,160
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2024	\$3,200	\$3,200
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2025	\$3,200	\$3,200
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2026	\$3,155	\$3,155
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2027	\$3,180	\$3,180
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2028	\$3,250	\$3,250
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2029	\$3,040	\$3,040
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2015A	not applicable	8/6/2015	8/20/2015	7/1/2030	\$2,025	\$2,025
NYS Energy Res. & Development Auth. Total							\$46,358	\$37,145
Residential Solar Loan Revenue Bonds, Series 2015								
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	10/23/2015	10/23/2015	6/1/2025	\$12,812	\$9,654
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	2/10/2016	2/10/2016	6/1/2023	\$1,005	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	2/10/2016	2/10/2016	6/1/2026	\$6,058	\$5,171
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	4/8/2016	4/8/2016	9/1/2023	\$1,592	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	4/8/2016	4/8/2016	9/1/2026	\$6,136	\$5,255
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	7/1/2016	7/1/2016	12/1/2023	\$1,788	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	7/1/2016	7/1/2016	12/1/2026	\$7,017	\$6,069
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	9/28/2016	9/28/2016	3/1/2024	\$1,256	\$0
NYS Energy Res. & Development Auth.	Residential Solar Loan Revenue Bonds	2015A	not applicable	9/28/2016	9/28/2016	3/1/2027	\$5,011	\$4,355
NYS Energy Res. & Development Auth. Total							\$42,675	\$30,504
Residential Energy Efficiency Financing Revenue Bonds, Series 2016A								
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2017	\$1,045	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2018	\$1,585	\$0
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2019	\$1,600	\$1,600

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
 BONDS OUTSTANDING AS OF MARCH 31, 2019

Company	Project description	Series	CUSIP	Date Closed	Date Issued	Maturity	Amount	Amount
							Issued (000's)	Outstanding (000's)
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2020	\$1,620	\$1,620
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2021	\$1,635	\$1,635
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2022	\$1,505	\$1,505
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2023	\$1,460	\$1,460
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2024	\$1,490	\$1,490
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2025	\$1,520	\$1,520
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2026	\$1,555	\$1,555
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2027	\$1,565	\$1,565
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2028	\$1,595	\$1,595
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2029	\$1,635	\$1,635
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2030	\$1,680	\$1,680
NYS Energy Res. & Development Auth.	Residential Energy Efficiency Financing Revenue Bonds	2016A	not applicable	9/22/2016	9/22/2016	7/1/2031	\$1,690	\$1,690
NYS Energy Res. & Development Auth. Total							\$23,180	\$20,550
Residential Solar Loan Green Revenue Bonds, Series 2018A								
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2020	\$1,600	\$1,600
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2021	\$1,500	\$1,500
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2022	\$1,500	\$1,500
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2023	\$9,400	\$8,380
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2024	\$1,300	\$1,300
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2025	\$1,100	\$1,100
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	4/1/2026	\$1,100	\$1,100
NYS Energy Res. & Development Auth.	NYSERDA Residential Financing Green Revenue Bonds	2018A		3/21/2018	3/21/2018	10/1/2027	\$1,000	\$1,000
NYS Energy Res. & Development Auth. Total							\$18,500	\$17,480
Residential Solar and Energy Efficiency Loan Green Revenue Bonds, Series 2019A								
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAA2	31/21/19	3/21/2019	4/1/2020	\$1,165	\$1,165
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAB0	31/21/19	3/21/2019	4/1/2021	\$1,385	\$1,385
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAC8	31/21/19	3/21/2019	4/1/2022	\$1,320	\$1,320
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAD6	31/21/19	3/21/2019	4/1/2023	\$1,255	\$1,255
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAE4	31/21/19	3/21/2019	4/1/2024	\$1,185	\$1,185
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAF1	31/21/19	3/21/2019	4/1/2025	\$1,095	\$1,095
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAG9	31/21/19	3/21/2019	4/1/2026	\$1,045	\$1,045
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAH7	31/21/19	3/21/2019	4/1/2027	\$995	\$995
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAJ3	31/21/19	3/21/2019	4/1/2028	\$820	\$820
NYS Energy Res. & Development Auth.	NYSERDA Green Jobs Residential Solar Level and Energ	2019A	64986RAK0	31/21/19	3/21/2019	4/1/1935	\$5,245	\$5,245
NYS Energy Res. & Development Auth. Total							\$15,510	\$15,510
Subtota - Green Jobs - Green New York Program Financing							\$170,522	\$135,404
Grand Total							\$1,681,442	\$1,646,324