

ESD State Supported Bonds Outstanding a/o March 31, 2019

| | (\$'s) | (\$'s) | | | | |
|---|--------------------|-------------------|-----------|---------------|---------------|------------|
| State Office Facilities Project Rev. Bonds (Non-PIT) | Original Par | Outstanding Par | Call Date | Par Call Date | Maturity Date | Trustee |
| 1995 Refunding Series | 247,980,000 | 37,945,000 | NOR | N/A | 04/01/20 | Bank of NY |
| Total State Office Facilities Issues | 247,980,000 | 37,945,000 | | | | |

| University Facilities Project Rev. Bonds (Non-PIT) | Original Par | Outstanding Par | Call Date | Par Call Date | Maturity Date | Trustee |
|---|-------------------|------------------|-----------|---------------|---------------|------------|
| Columbia University Federally Taxable 1989 Series | 41,153,457 | 265,345 | NOR | N/A | 07/01/19 | M & T Bank |
| Cornell University Federally Taxable 1989 Series | 5,510,718 | 35,532 | NOR | N/A | 07/01/19 | M & T Bank |
| Clarkson - Loan 1995 Series Refunding | 13,130,000 | 970,000 | NOR | N/A | 01/01/20 | Bank of NY |
| Universities Facilities - Grants 1995 Series Refunding | 22,025,000 | 2,045,000 | NOR | N/A | 01/01/21 | Bank of NY |
| Total University Facilities Series Issue | 81,819,175 | 3,315,877 | | | | |

| Other Project Revenue Bonds (Non-PIT) | Original Par | Outstanding Par | Call Date | Par Call Date | Maturity Date | Trustee |
|--|--------------------|--------------------|----------------|---------------|---------------|------------|
| Service Contract Rev. Refunding, Series 2008 A | 420,000,000 | 150,780,000 | anytime | anytime | 01/01/30 | M & T Bank |
| Service Contract Rev. Refunding, Series 2010 A1,A2 | 504,305,000 | 165,700,000 | 01/01/20 @ 100 | 01/01/20 | 01/01/22 | M & T Bank |
| Service Contract Rev. Refunding, Series 2011 A | 12,350,000 | 2,375,000 | NOR | N/A | 09/15/20 | M & T Bank |
| Total Other Project Revenue Bonds | 936,655,000 | 318,855,000 | | | | |

| State Personal Income Tax Revenue Bonds | Original Par | Outstanding Par | Call Date | Par Call Date | Maturity Date | Trustee |
|--|-----------------------|-----------------------|----------------------|----------------------|---------------|------------|
| State Facilities and Equipment Series 2004 A-2 | 300,485,000 | 193,225,000 | NOR | N/A | 03/15/25 | Bank of NY |
| State Facilities and Equipment Series 2004 A-3 | 298,550,000 | 298,550,000 | anytime | anytime | 03/15/33 | Bank of NY |
| General Purpose Series 2009 C | 672,680,000 | 205,435,000 | 12/15/19 | 12/15/19 | 12/15/22 | Bank of NY |
| General Purpose Series 2009 E (BAB's) | 576,080,000 | 576,080,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/39 | Bank of NY |
| General Purpose Series 2010 A | 367,295,000 | 66,920,000 | NOR | N/A | 3/15/20 | Bank of NY |
| General Purpose Series 2010 C (BAB's) | 413,760,000 | 413,760,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/40 | Bank of NY |
| General Purpose Series 2011 A | 545,485,000 | 393,135,000 | 3/15/21 | 3/15/21 | 3/15/41 | Bank of NY |
| General Purpose Series 2011 B Taxable | 156,910,000 | 35,980,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/21 | Bank of NY |
| General Purpose Series 2013 A-1, A-2 | 642,420,000 | 611,705,000 | 3/15/23 | 3/15/23 | 3/15/43 | Bank of NY |
| General Purpose Series 2013 C | 753,055,000 | 616,800,000 | 3/15/23 | 3/15/23 | 3/15/33 | Bank of NY |
| General Purpose Series 2013 D | 477,695,000 | 407,785,000 | 3/15/23 | 3/15/23 | 3/15/25 | Bank of NY |
| General Purpose Series 2013 E | 812,835,000 | 686,275,000 | 3/15/23 | 3/15/23 | 3/15/43 | Bank of NY |
| General Purpose Series 2013 F Taxable | 395,960,000 | 184,250,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/23 | Bank of NY |
| General Purpose Series 2014 A | 925,835,000 | 806,735,000 | 3/15/24 | 3/15/24 | 3/15/44 | Bank of NY |
| General Purpose Series 2014 B Taxable | 370,820,000 | 203,725,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/24 | Bank of NY |
| General Purpose Series 2015 A | 893,455,000 | 813,650,000 | 9/15/25 | 9/15/25 | 3/15/45 | Bank of NY |
| General Purpose Series 2015 B Taxable | 236,860,000 | 73,005,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/21 | Bank of NY |
| General Purpose Series 2016 A | 1,654,930,000 | 1,596,290,000 | 3/15/26 | 3/15/26 | 3/15/38 | Bank of NY |
| General Purpose Series 2017 A | 807,960,000 | 806,265,000 | 3/15/27 | 3/15/27 | 3/15/47 | Bank of NY |
| General Purpose Series 2017 B Taxable | 1,034,705,000 | 839,785,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/28 | Bank of NY |
| General Purpose Series 2017 C | 733,235,000 | 701,775,000 | 9/15/27 | 9/15/27 | 3/15/47 | Bank of NY |
| General Purpose Series 2017 D Taxable | 1,017,510,000 | 1,017,510,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/32 | Bank of NY |
| General Purpose Series 2019 A | 741,460,000 | 741,460,000 | 9/15/28 | 9/15/28 | 3/15/48 | Bank of NY |
| General Purpose Series 2019 B Taxable | 802,355,000 | 802,355,000 | anytime w/app. MW(a) | anytime w/app. MW(a) | 3/15/33 | Bank of NY |
| Total State Personal Income Tax Bond Issues | 15,632,335,000 | 13,092,455,000 | | | | |

| | Original Par | Outstanding Par |
|--|-----------------------|-----------------------|
| Grand Total of ESD issues above | 16,898,789,175 | 13,452,570,877 |

ESD Defeased & Outstanding a/o March 31, 2019

| UDC Defeased & Outstanding Bonds | |
|---|---|
| NA | - |
| Total | - |

NOR = No Optional Redemption
(a) MW is Make-Whole provision