

**New York City Department of Environmental Protection
Bureau of Water Supply**

Land Acquisition Program Semi-Annual Report

July 2024

*Prepared in accordance with Section 4.2 of the NYSDOH
Revised 2017 Filtration Avoidance Determination*



Prepared by: DEP, Bureau of Water Supply

Land Acquisition Program Semi-Annual Report January 1, 2024 through June 30, 2024

In December 2022, the New York State Department of Health (NYSDOH) issued the Revised 2017 Filtration Avoidance Determination (FAD) which requires the New York City Department of Environmental Protection (DEP) to continue the Land Acquisition Program (LAP) in accordance with specific FAD milestones, the 2010 Water Supply Permit (WSP), and the 1997 Memorandum of Agreement (MOA). Semi-annual progress reports on program activities and status are required. This report covers the period January 1, 2024 through June 30, 2024, during which time the LAP adhered to all requirements of the FAD, WSP, and MOA.

Solicitation

The original 2017 FAD established a 350,000-acre solicitation goal for the LAP that covered the seven-year period 2018 through 2024 and allowed up to 20,000 acres per year of solicitation credit by the Farm and Forest Conservation Easement (CE) Programs operated by the Watershed Agricultural Council (WAC), the Streamside Acquisition Program (SAP) operated by the Catskill Center for Conservation and Development (CCCD), and the NYC-Funded Flood Buyout Program (NYCFFBO). The Revised 2017 FAD reduces the solicitation goal for the seven-year period to 200,000 acres, continues to allow DEP to receive one-to-one solicitation acre credit for WAC CE Programs and five acres credit for each acre solicited by the NYCFFBO and the SAP, and removes the overall cap on solicitation credit for these programs.

In May 2023, DEP submitted its 2023-2033 Long-Term Land Acquisition Plan (2023 Long-Term Plan), which outlined the methods and strategies that DEP proposes to guide Core LAP¹ and City-funded LAP partners to increase the percent of permanently protected lands within specific West of Hudson (WOH) sub-basins and throughout the Catskill/Delaware watershed over the next ten years. Adjustments or amendments to the 2023 Long-Term Plan will be required to incorporate outcomes from workgroups currently working as mandated by the Revised 2017 FAD, as well as the future issuance of a Water Withdrawal Permit (WWP) in 2025, the FAD in 2027, and/or the issuance of successor regulatory documents.

By the end of 2023, DEP and LAP partners had solicited 191,495 acres since 2018, leaving 8,505 acres to be solicited in 2024 to reach the 200,000-acre goal of the Revised 2017 FAD. Both WAC and DEP's Core LAP exceeded the solicitation goals set forth in the 2023 Long-Term Plan for calendar year 2023. Consequently, for calendar year 2024, DEP's Core LAP expects to solicit approximately 8,000 acres consistent with the 2023 Long-Term Plan but taking into account the higher than anticipated solicitation levels in 2023. During the current reporting period, Core LAP solicited 690 acres, NYCFFBO solicited 1.5 acres, CCCD reports that the SAP solicited 155 acres, and WAC reports that it solicited 989 acres. Applying the 5-to-1 ratio credit for NYCFFBO and SAP acres, this brings total LAP solicitations to 193,957 acres since 2018 or 97% of the 200,000-acre goal set by the Revised 2017 FAD.

¹ The original program through which the City acquired conservation easement interests and fee simple lands as outlined in the MOA has come to be known as "Core LAP," to distinguish it from subsequent programs that have been implemented.

Since 1997, DEP and LAP partners have solicited over 480,000 unique acres² in the Catskill/Delaware watershed, of which 156,350 acres have been signed to contract or closed. The current snapshot of solicitations (excluding WAC) by basin and county since 1997 are listed in Tables 1 and 2, respectively. Relatively high levels of solicitation success (measured by acres in contract, active negotiations, or closed) are seen in East of Hudson (EOH) basins: 41% in Kensico and 67% in West Branch/Boyd Corners. Success rates in the Ashokan, Rondout, Pepacton and Schoharie basins are roughly 30%. By county, solicitations resulting in success above 30% occur in Dutchess (47%), Greene (33%), Putnam (70%) and Westchester (41%).

Projects Signed to Purchase Contract

During the first half of 2024, DEP and LAP partners signed eight purchase contracts comprising 151 acres in fee simple. Included are five DEP contracts for acquisition of land in fee simple (121 acres) and three SAP contract (30 acres). Table 3 shows that on average, 53% of each property signed to contract so far this year is covered in surface water criteria (SWC). Since 1997, DEP and LAP partners have executed a total of 1,868 purchase contracts comprising 156,350 acres of land in fee simple and CEs in the Catskill/Delaware watershed at a total cost of \$518 million³. DEP has also expended an additional \$44 million for associated transaction “soft” costs such as appraisals, environmental site assessments and surveys.

With Core LAP’s continued selectivity toward portions of properties that contain high proportions of SWC, a higher percentage of projects require subdivisions. Many subdivisions are purposefully planned and designed at the start of a project to secure compelling lands and avoid areas of reduced connection to watercourses and water quality, but the need for subdivision can also arise during the contract phase to solve unexpected encroachments discovered by surveys.

Regardless, such subdivisions (with the exception of certain lot-line revisions) require local town approval. To date within the Catskill Delaware watershed, 12 of the SAP’s 34 closed purchase contracts (35%) and 375 of Core LAP’s 1,370 (27%) closed fee simple acquisitions (excluding flood buyout projects) have involved subdivisions. For DEP’s Core LAP, two of the four fee simple contracts that closed in the first half of 2024 required subdivisions and one of the five fee appraisals completed in this reporting period were for projects involving subdivisions.

Comprehensive data on lands retained by owners is truncated around 2020 because DEP’s internal tracking system was not originally designed to hold information on landowner-retained acreage for more than a few years; tax parcel data is periodically revised by municipalities and this information is brought into DEP’s proprietary Geographic Information System, overwriting prior data. From 2020 onward, however, DEP has been tracking this

² This number is a current snapshot of total unique acres solicited at a one-to-one ratio across all programs. For closed properties, surveyed acres are used for calculations – for all other properties, the most recent solicited acreage field is used for calculation. The solicited acreage field changes over time due to changes including project configuration and regular county tax parcel updates. This figure does not include inactive properties, which include those no longer of interest to the City or ineligible due to a lack of surface water criteria (which minimum requirement has changed over time). WAC information is added to the database periodically and is not generally available for real time updates.

³ These totals (i) exclude purchase contracts that have been rescinded; several recent rescissions may result in certain figures that are lower in this report than data reported in the last period, and (ii) include 856 acres along the watershed boundary of the Catskill/Delaware System that are outside the City’s watershed, acquired as part of 57 transactions where it was difficult or impossible to subdivide tax lots that span the watershed boundary. “Total cost” reflects final values for all closed projects but appraised values for the small group of properties still in contract.

information. Since January 1, 2020, 83 fee simple acquisitions (core LAP, SAP and NYCFFBO) have closed program-wide, of which 34 projects (41%) required subdivisions. Expanding the analysis to include all active⁴ as well as closed projects that required subdivisions, 60 projects totaling 7,784 acres resulted in 1,615 acres (21% of total pre-subdivision acreage) being retained by sellers since January 1, 2020.

Real Property Interests Acquired

As shown in Table 4, during the first half of 2024, the LAP closed seven purchase contracts (eight separate tax parcels) comprising 213 acres in fee simple and 195 acres in WAC Farm CEs. Details of these transactions are summarized in Attachment A and a summary of all executed and closed purchase contracts program-wide since 1997 by Priority Areas is found in Attachment B. Attachment C summarizes contracts executed since January 1, 2010 and shows that, assuming those projects in contract eventually close, 54,145 acres will have been acquired against the maximum watershed-wide figure of 106,712 acres allowable through December 2025 as set forth in Special Condition 1 of the 2010 WSP. DEP and all LAP partners may therefore acquire up to an additional 52,567 acres before the 2010 WSP limit is reached. In the WOH watershed only, 53,088 acres have been acquired or are currently under contract, leaving 51,955 acres before the 2010 WSP limit is reached.

Since 1997, DEP has closed on 96,680 acres in fee simple with an additional 275 acres acquired through the SAP, 64 acres through the NYCFFBO and 74 acres through the Federal Emergency Management Agency (FEMA) Flood Buyout Program. DEP has also closed on 25,933 acres of CEs, while WAC has secured 28,423 acres in Farm CEs and 2,982 acres in Forest CEs; CEs thus represent 37% of the 154,432 total Catskill/Delaware acres that have closed under all acquisition programs to date.

As shown in Table 4, 43,604 acres (28%) of the 154,432 acres closed to date in the Catskill/Delaware watershed for all programs are covered in SWC; properties within the two flood buyout programs have the highest proportion of SWC: 97% for NYCFFBO and 87% for FEMA, while SAP projects average 76%. WAC Farm CEs contain 29% SWC, while City-acquired fee lands and CEs both average 28%. WAC Forest CEs contain 15% SWC on average.

WAC Farm and Forest CE Programs

To date, DEP has committed \$132 million to WAC's acquisition and stewardship of Farm and Forest CEs. This total includes \$79.5 million in prior and current contract commitments for the acquisition of Farm and Forest CEs, \$43 million for the WAC CE Stewardship Endowment Fund, and a \$9.5 successor contract that DEP anticipates will register in early 2025 to fulfill the Revised 2017 FAD funding obligations for both WAC CE programs. During this reporting period, WAC appraised one Farm CE (702 acres) and two Forest CE projects (528 acres). WAC also reports soliciting 989 acres. To date, WAC has closed 159 Farm CEs (28,423⁵

⁴ "Active" for this purpose is defined as projects with step dates since January 1, 2020, where (1) purchase offers are outstanding, accepted, or rejected, and/or (2) purchase contracts that awaiting signatures or are signed, executed, extended, or rescinded.

⁵ Two farm easements have subsequently lost 22 and 10 acres, respectively, to eminent domain. These remain in this report because they were acquired under MOA and FAD programs, although subsequently lost.

acres) and nine Forest CEs (2,982 acres) in the Catskill/Delaware watershed.

Streamside Acquisition Program (SAP)

To date, DEP has committed \$13.4 million through a contract with CCCD to implement the pilot SAP in the Schoharie basin. In June 2024, the City registered a third amendment to the existing \$8 million contract that extended the expiration date through December 31, 2027, with an additional \$5.4 million in new funding; this amendment was needed to ensure SAP continuity (and compliance with the 2010 WSP and Revised 2017 FAD) while the City participated in a FAD-mandated stakeholder workgroup related to the future of Core LAP and the expansion of the pilot SAP beyond the Schoharie basin. This workgroup continues to meet monthly and has thus far produced a draft process document and conceptual agreement for a revised and renamed Collaborative Streamside Acquisition Program (CSAP) that DEP anticipates will be codified in a 2025 Water Withdrawal Permit (successor to the 2010 WSP), a new stakeholder side agreement, and likely a successor FAD in 2027.

To date, CCCD has solicited a total of 6,973 acres and appraised 75 properties through the pilot SAP; no appraisals were ordered during the first half of 2024. CCCD and the City executed three SAP purchase contracts (30 acres) during this period, with a total of 34 SAP contracts (275 acres) now closed. To date, CCCD and the City have executed 44 SAP purchase contracts totaling 338 acres at a value of \$2 million; four of these contracts were rescinded, leaving six SAP contracts still active as of June 30, 2024.

As previously reported, the towns of Jewett and Hunter have passed resolutions waiving the Excluded Area designation for a combined total of three specific properties within their hamlet areas, allowing the SAP to pursue acquisition of those streamside properties. The majority of SAP acquisitions continue to be focused outside of hamlets. CCCD has continued regular outreach to local communities about the SAP, and how the program can best compliment local goals.

New York City-Funded Flood Buyout Program (NYCFFBO)

During the reporting period, no new NYCFFBO projects were signed to contract. To date, 54 properties (109 acres) have had both a municipal resolution and landowner interest in selling through the NYCFFBO, including projects in the Local Flood Analysis, Erosion Hazard, and Stream Project categories. DEP has ordered at least one appraisal on 47 of those 54 properties (94 acres); of those, 34 contracts have been executed (72% of projects appraised) and 26 have closed (55%). One contract was rescinded, and the property was subsequently acquired by the Catskill Watershed Corporation (CWC) on behalf of the Town of Walton, which assumed ownership during this reporting period. For the 26 closed contracts through the NYCFFBO, 14 have been acquired by local municipalities and 12 by the City. For the seven active contracts yet to close, five will be acquired by local municipalities and two will be acquired by the City.

Tax Litigation Avoidance Program (TLAP)

Pursuant to the 2010 WSP, DEP contracted with CWC to fund a Tax Litigation

Avoidance Program (TLAP) that assists watershed towns and villages with avoiding the costs and risks of litigation over taxes assessed on City real property and helps local assessing authorities to set fair assessments on certain City-owned watershed properties. Through April 30, 2024 (the most recent report received by DEP as of June 30, 2024), CWC's expenditures for the TLAP totaled \$130,117.

Transfer of CEs on Fee Acquisitions to New York State

To date, DEP has conveyed a total of 83 CEs to the New York State Department of Environmental Conservation (NYSDEC) covering 1,093 fee simple properties acquired by the LAP totaling 72,834 acres. Eighty-two of the recorded CEs encumber lands within the Catskill/Delaware watershed covering 1,077 properties and 71,653 acres. During this reporting period, DEP did not convey any CEs to NYSDEC while continuing to participate in discussions with NYSDEC and watershed stakeholders regarding CE modifications that will allow for certain land uses compatible with water quality protection. Until these modifications are finalized and approved by NYSDEC, DEP has deferred the conveyance of additional CEs.

Water Quality Metrics

Table 5 summarizes key water quality protection features found within properties acquired through Core LAP and various partner programs; it should be noted that acreages reported in Table 5 are calculated directly from GIS polygons and may differ slightly from survey-based acreages reported elsewhere in this report. The City has now acquired roughly six times the length of rivers and streams, and more than five times the area of stream buffers (within 300 feet of streams) that it owned just prior to the start of the LAP in 1997.

**Table 1: Status of Solicited Properties (excluding WAC) in the CAT-DEL System by Basin
January 1, 1997 - June 30, 2024**

| Kensico Basin | | | |
|---|---------------------------|----------------|---------------------------|
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Basin Acres</u> |
| Signed/Closed | 20 | 405 | 41% |
| Offer Refused | 8 | 78 | 8% |
| No Response | 3 | 120 | 12% |
| Not Interested | 6 | 357 | 36% |
| Other* | 5 | 39 | 4% |
| Kensico Basin Sub-Totals: | 42 | 999 | |
| West Branch / Boyd Corners Basin | | | |
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Basin Acres</u> |
| Signed/Closed | 209 | 9,451 | 67% |
| Active, Under Negotiation | 5 | 383 | 3% |
| Offer Refused | 39 | 331 | 2% |
| No Response | 42 | 793 | 6% |
| Not Interested | 48 | 2,933 | 21% |
| Other* | 29 | 286 | 2% |
| West Branch / Boyd Corners Basin Sub-Totals: | 372 | 14,177 | |
| Ashokan Basin | | | |
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Basin Acres</u> |
| Signed/Closed | 243 | 13,030 | 31% |
| Active, Under Negotiation | 5 | 118 | 0% |
| Offer Refused | 78 | 4,841 | 11% |
| No Response | 164 | 9,569 | 23% |
| Not Interested | 171 | 10,781 | 26% |
| Other* | 65 | 3,937 | 9% |
| Ashokan Basin Sub-Totals: | 726 | 42,276 | |
| Cannonsville Basin | | | |
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Basin Acres</u> |
| Signed/Closed | 278 | 27,497 | 21% |
| Active, Under Negotiation | 6 | 911 | 1% |
| Offer Refused | 74 | 6,668 | 5% |
| No Response | 519 | 44,417 | 33% |
| Not Interested | 445 | 46,684 | 35% |
| Other* | 99 | 7,727 | 6% |
| Cannonsville Basin Sub-Totals: | 1,421 | 133,903 | |
| Neversink Basin | | | |
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Basin Acres</u> |
| Signed/Closed | 30 | 4,804 | 21% |
| Offer Refused | 9 | 1,188 | 5% |

| | | | |
|------------------------------------|------------|---------------|-----|
| No Response | 44 | 4,675 | 21% |
| Not Interested | 52 | 10,174 | 45% |
| Other* | 7 | 1,703 | 8% |
| Neversink Basin Sub-Totals: | 142 | 22,545 | |

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| Pepacton Basin |
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| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Basin Acres</u> |
|-----------------------------------|---------------------------|----------------|---------------------------|
| Signed/Closed | 335 | 31,937 | 28% |
| Active, Under Negotiation | 5 | 326 | 0% |
| Offer Refused | 56 | 6,674 | 6% |
| No Response | 273 | 23,883 | 21% |
| Not Interested | 334 | 46,345 | 41% |
| Other* | 76 | 3,938 | 3% |
| Pepacton Basin Sub-Totals: | 1,079 | 113,102 | |

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| Rondout Basin |
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| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Basin Acres</u> |
|----------------------------------|---------------------------|---------------|---------------------------|
| Signed/Closed | 154 | 8,384 | 29% |
| Active, Under Negotiation | 1 | 27 | 0% |
| Offer Refused | 24 | 903 | 3% |
| No Response | 93 | 5,591 | 20% |
| Not Interested | 154 | 12,843 | 45% |
| Other* | 13 | 780 | 3% |
| Rondout Basin Sub-Totals: | 439 | 28,528 | |

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| Schoharie Basin |
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| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Basin Acres</u> |
|------------------------------------|---------------------------|---------------|---------------------------|
| Signed/Closed | 395 | 29,224 | 32% |
| Active, Under Negotiation | 15 | 1,935 | 2% |
| Offer Refused | 84 | 5,439 | 6% |
| No Response | 416 | 16,837 | 19% |
| Not Interested | 347 | 24,692 | 27% |
| Other* | 188 | 12,719 | 14% |
| Schoharie Basin Sub-Totals: | 1,445 | 90,845 | |

Total:

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| 5,666 |
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|----------------|
| 446,376 |
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* "Other" includes properties solicited and now developed, resolicitation under way (awaiting response) and contract rescinded.

Project acres are used for projects that are Signed/Closed, otherwise, solicited acres are used.

Includes all programs *except* WAC.

Does not include inactive projects.

Watershed-Wide Outcomes

| | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Watershed Acres</u> |
|----------------------------------|---------------------------|----------------|-------------------------------|
| Signed/Closed | 1,664 | 124,731 | 28% |
| Active, Under Negotiation | 37 | 3,700 | 1% |
| Offer Refused | 372 | 26,122 | 6% |
| No Response | 1,554 | 105,884 | 24% |
| Not Interested | 1,557 | 154,808 | 35% |
| Other | 482 | 31,130 | 7% |
| Total | 5,666 | 446,376 | 100% |

**Table 2: Status of Solicited Properties (excluding WAC) in the CAT-DEL System by County
January 1, 1997 - June 30, 2024**

| Dutchess County | | | | |
|---------------------------------------|---------------------------|----------------|----------------------------|--|
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of County Acres</u> | |
| Signed/Closed | 26 | 1,058 | 47% | |
| Active, Under Negotiation | 1 | 15 | 1% | |
| Offer Refused | 6 | 39 | 2% | |
| No Response | 7 | 102 | 5% | |
| Not Interested | 12 | 1,028 | 45% | |
| Other* | 3 | 18 | 1% | |
| Dutchess County Sub-Totals: | 55 | 2,261 | | |
| Putnam County | | | | |
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of County Acres</u> | |
| Signed/Closed | 183 | 8,393 | 70% | |
| Active, Under Negotiation | 4 | 368 | 3% | |
| Offer Refused | 33 | 292 | 2% | |
| No Response | 35 | 691 | 6% | |
| Not Interested | 36 | 1,905 | 16% | |
| Other* | 26 | 269 | 2% | |
| Putnam County Sub-Totals: | 317 | 11,917 | | |
| Westchester County | | | | |
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of County Acres</u> | |
| Signed/Closed | 20 | 405 | 41% | |
| Offer Refused | 8 | 78 | 8% | |
| No Response | 3 | 120 | 12% | |
| Not Interested | 6 | 357 | 36% | |
| Other* | 5 | 39 | 4% | |
| Westchester County Sub-Totals: | 42 | 999 | | |
| Delaware County | | | | |
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of County Acres</u> | |
| Signed/Closed | 622 | 58,303 | 25% | |
| Active, Under Negotiation | 13 | 1,432 | 1% | |
| Offer Refused | 133 | 13,030 | 6% | |
| No Response | 793 | 68,444 | 29% | |
| Not Interested | 765 | 80,316 | 34% | |
| Other* | 176 | 12,148 | 5% | |
| Delaware County Sub-Totals: | 2,502 | 233,674 | | |
| Greene County | | | | |
| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of County Acres</u> | |
| Signed/Closed | 319 | 25,537 | 33% | |
| Active, Under Negotiation | 12 | 818 | 1% | |

| | | | |
|----------------------------------|--------------|---------------|-----|
| Offer Refused | 59 | 4,342 | 6% |
| No Response | 334 | 15,156 | 19% |
| Not Interested | 280 | 21,552 | 28% |
| Other* | 156 | 10,486 | 13% |
| Greene County Sub-Totals: | 1,160 | 77,891 | |

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| Schoharie County |
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| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of County Acres</u> |
|-------------------------------------|---------------------------|---------------|----------------------------|
| Signed/Closed | 70 | 4,630 | 27% |
| Active, Under Negotiation | 2 | 978 | 6% |
| Offer Refused | 22 | 1,240 | 7% |
| No Response | 103 | 3,484 | 20% |
| Not Interested | 82 | 4,957 | 28% |
| Other* | 32 | 2,114 | 12% |
| Schoharie County Sub-Totals: | 311 | 17,402 | |

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| Sullivan County |
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| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of County Acres</u> |
|------------------------------------|---------------------------|---------------|----------------------------|
| Signed/Closed | 71 | 5,738 | 23% |
| Active, Under Negotiation | 1 | 27 | 0% |
| Offer Refused | 18 | 1,211 | 5% |
| No Response | 71 | 6,630 | 26% |
| Not Interested | 119 | 9,481 | 38% |
| Other* | 11 | 2,120 | 8% |
| Sullivan County Sub-Totals: | 291 | 25,207 | |

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| Ulster County |
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| <u>Current LAP Status</u> | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of County Acres</u> |
|----------------------------------|---------------------------|---------------|----------------------------|
| Signed/Closed | 353 | 20,668 | 27% |
| Active, Under Negotiation | 4 | 62 | 0% |
| Offer Refused | 93 | 5,890 | 8% |
| No Response | 208 | 11,256 | 15% |
| Not Interested | 257 | 35,212 | 46% |
| Other* | 73 | 3,937 | 5% |
| Ulster County Sub-Totals: | 988 | 77,025 | |

Total:

| |
|--------------|
| 5,666 |
|--------------|

| |
|----------------|
| 446,376 |
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* "Other" includes properties solicited and now developed, resolicitation under way (awaiting response) and contract rescinded.

Project acres are used for projects that are Signed/Closed, otherwise, solicited acres are used.

Includes all programs *except* WAC.

Does not include inactive projects.

Watershed-Wide Outcomes

| | <u>Number of Projects</u> | <u>Acres</u> | <u>Pct of Watershed Acres</u> |
|----------------------------------|---------------------------|----------------|-------------------------------|
| Signed/Closed | 1,664 | 124,731 | 28% |
| Active, Under Negotiation | 37 | 3,700 | 1% |
| Offer Refused | 372 | 26,122 | 6% |
| No Response | 1,554 | 105,884 | 24% |
| Not Interested | 1,557 | 154,808 | 35% |
| Other | 482 | 31,130 | 7% |
| Total | 5,666 | 446,376 | 100% |

**Table 3: Surface Water Criteria (SWC)
Contracts Executed in the CAT-DEL System as of 6/30/2024 by Program**

Reporting Period: 1995 to 2023

| <u>R.E. Type</u> | <u># of Contracts</u> | <u>Acres</u> | <u>Avg. Size of Project</u> | <u>SWC Acres</u> | <u>Avg. % SWC per Project</u> | <u>Slope Acres</u> | <u>Avg. % Slope per Project</u> |
|------------------|-----------------------|----------------|-----------------------------|------------------|-------------------------------|--------------------|---------------------------------|
| City CE | 171 | 26,488 | 155 | 7,412 | 28% | 16,774 | 63% |
| City FBO | 33 | 72 | 2 | 70 | 97% | 25 | 35% |
| City Fee | 1,386 | 97,740 | 71 | 27,799 | 28% | 58,449 | 60% |
| FEMA | 64 | 74 | 1 | 65 | 87% | 16 | 21% |
| SAP | 37 | 290 | 8 | 221 | 76% | 135 | 47% |
| WAC CE | 159 | 28,423 | 179 | 8,273 | 29% | 15,125 | 53% |
| WAC FE | 10 | 3,112 | 311 | 486 | 16% | 2,242 | 72% |
| | 1,860 | 156,199 | 84 | 44,326 | 28% | 92,766 | 59% |

Reporting Period: 2024

| | | | | | | | |
|----------|----------|------------|-----------|-----------|------------|-----------|------------|
| City Fee | 5 | 121 | 24 | 60 | 49% | 84 | 69% |
| SAP | 3 | 30 | 10 | 21 | 68% | 9 | 28% |
| | 8 | 151 | 19 | 80 | 53% | 92 | 61% |

Program-to-date Sub-Totals

| | | | | | | | |
|----------|-------|--------|-----|--------|-----|--------|-----|
| City CE | 171 | 26,488 | 155 | 7,412 | 28% | 16,774 | 63% |
| City FBO | 33 | 72 | 2 | 70 | 97% | 25 | 35% |
| City Fee | 1,391 | 97,861 | 70 | 27,859 | 28% | 58,533 | 60% |
| FEMA | 64 | 74 | 1 | 65 | 87% | 16 | 21% |
| SAP | 40 | 320 | 8 | 242 | 75% | 144 | 45% |
| WAC CE | 159 | 28,423 | 179 | 8,273 | 29% | 15,125 | 53% |
| WAC FE | 10 | 3,112 | 311 | 486 | 16% | 2,242 | 72% |

| | | | | | | | |
|---------------------|--------------|----------------|-----------|---------------|------------|---------------|------------|
| Grand Totals | 1,868 | 156,350 | 84 | 44,406 | 28% | 92,858 | 59% |
|---------------------|--------------|----------------|-----------|---------------|------------|---------------|------------|

-Survey acres are used to calculate project acres for closed properties SWC (Surface Water Criteria) acres are based on GIS and tax parcel acres and may not be as accurate.

-Pursuant to the 1997 Memorandum of Agreement, SWC includes acreage that is within (a) 300 feet of a watercourse, (b) 1,000 feet of reservoirs, (c) areas designated as 1% return interval flood (100 year base flood), and/or (d) wetlands (defined as federal jurisdiction wetlands larger than five acres, or designated by NYSDEC).

-Slope: Acres that are at or greater than 15% grade.

-In some cases SWC acres may appear to be greater than project acres, this is because SWC acres are GIS based and project acres are survey based. Therefore, they do not always align.

**Table 4: Surface Water Criteria (SWC)
Contracts Closed in the CAT-DEL System as of 6/30/2024 by Program**

Reporting Period: 1995 to 2023

| <u>R.E. Type</u> | <u># of Contracts</u> | <u>Acres</u> | <u>Avg. Size of Project</u> | <u>SWC Acres</u> | <u>Avg. % SWC per Project</u> | <u>Slope Acres</u> | <u>Avg. % Slope per Project</u> |
|------------------|-----------------------|----------------|-----------------------------|------------------|-------------------------------|--------------------|---------------------------------|
| City CE | 170 | 25,933 | 153 | 7,158 | 28% | 16,495 | 64% |
| City FBO | 26 | 64 | 2 | 62 | 97% | 23 | 36% |
| City Fee | 1,366 | 96,469 | 71 | 27,310 | 28% | 57,778 | 60% |
| FEMA | 64 | 74 | 1 | 65 | 87% | 16 | 21% |
| SAP | 33 | 273 | 8 | 207 | 76% | 127 | 46% |
| WAC CE | 157 | 28,229 | 180 | 8,167 | 29% | 15,084 | 53% |
| WAC FE | 9 | 2,982 | 331 | 452 | 15% | 2,213 | 74% |
| | 1,825 | 154,024 | 84 | 43,421 | 28% | 91,736 | 60% |

Reporting Period: 2024

| | | | | | | | |
|----------|----------|------------|-----------|------------|------------|------------|------------|
| City Fee | 4 | 211 | 53 | 75 | 35% | 146 | 69% |
| SAP | 1 | 2 | 2 | 2 | 100% | 0 | 0% |
| WAC CE | 2 | 195 | 97 | 106 | 55% | 41 | 21% |
| | 7 | 408 | 58 | 183 | 45% | 187 | 46% |

Program-to-date Sub-Totals

| | | | | | | | |
|----------|-------|--------|-----|--------|-----|--------|-----|
| City CE | 170 | 25,933 | 153 | 7,158 | 28% | 16,495 | 64% |
| City FBO | 26 | 64 | 2 | 62 | 97% | 23 | 36% |
| City Fee | 1,370 | 96,680 | 71 | 27,384 | 28% | 57,924 | 60% |
| FEMA | 64 | 74 | 1 | 65 | 87% | 16 | 21% |
| SAP | 34 | 275 | 8 | 209 | 76% | 127 | 46% |
| WAC CE | 159 | 28,423 | 179 | 8,273 | 29% | 15,125 | 53% |
| WAC FE | 9 | 2,982 | 331 | 452 | 15% | 2,213 | 74% |

| | | | | | | | |
|---------------------|--------------|----------------|-----------|---------------|------------|---------------|------------|
| Grand Totals | 1,832 | 154,432 | 84 | 43,604 | 28% | 91,923 | 60% |
|---------------------|--------------|----------------|-----------|---------------|------------|---------------|------------|

-Survey acres are used to calculate project acres for closed properties. SWC (Surface Water Criteria) acres are based on GIS and tax parcel acres and may not be as accurate.

-Pursuant to the 1997 Memorandum of Agreement, SWC includes acreage that is within (a) 300 feet of a watercourse, (b) 1,000 feet of reservoirs, (c) areas designated as 1% return interval flood (100 year base flood), and/or (d) wetlands (defined as federal jurisdiction wetlands larger than five acres, or designated by NYSDEC).

-Slope: Acres that are at or greater than 15% grade.

-In some cases SWC acres may appear to be greater than project acres, this is because SWC acres are GIS based and project acres are survey based. Therefore, they do not always align.

Table 5: Summary of Land Features Present within the Boundaries of Properties within the CAT-DEL Watershed in Contract or Closed as of June 30, 2024

| | Acres ¹ | Miles of Stream ² | Acres in Stream Buffer ³ | Acres of Wetlands ⁴ | Acres in Forest Cover ⁵ |
|----------------------------------|--------------------|------------------------------|-------------------------------------|--------------------------------|------------------------------------|
| LAP - Fee Simple | 95,392 | 382 | 24,497 | 2,365 | 82,255 |
| LAP CEs | 26,277 | 107 | 6,706 | 444 | 22,775 |
| SAP - Fee Simple | 314 | 4 | 220 | 33 | 262 |
| WAC - Farm CEs | 28,199 | 120 | 7,485 | 406 | 15,045 |
| WAC - Forest CEs | 3,078 | 5 | 430 | 18 | 2,880 |
| NYCFFBO - City-Owned | 53 | 1 | 45 | 5 | 37 |
| FEMA FBO – City-Owned | 52 | 1 | 40 | 7 | 32 |
| Subtotals | 153,365 | 620 | 39,423 | 3,278 | 123,286 |
| Pre-MOA Lands | | | | | |
| Fee Simple (includes reservoirs) | 61,322 | 105 | 6,878 | 27,013 | 31,764 |
| Grand Totals: | 214,687 | 725 | 46,301 | 30,291 | 155,050 |

1. GIS Data Source: NYCDEP BWS, 7/2024. Land ownership acreage categories are calculated directly from areas of GIS polygons and therefore may not match exactly other survey-based acreage totals submitted by DEP. GIS data are clipped to the NYC watershed boundary. CAT/DEL includes all WOH basins plus West Branch, Boyd Corners, and Kensico. Reservoir basin boundaries derived from 1m LiDAR in 2014. Water features are from local-resolution National Hydrography Dataset (NHD) originally derived from 1m LiDAR in 2013 and last updated by DEP GIS staff in 2020.

2. Includes streams and river centerlines only as a linear measurement, wherever they intersect with the specified land category.

3. Riparian Buffers are calculated as a 300-foot area on both sides of watercourses (streams and rivers only, excludes ponds, lakes, and reservoirs). Any water features within these buffers were excluded from buffer acreages.

4. Includes Wetlands plus Deepwater Habitats. Acres of both are calculated from a combined GIS layer of NWI and DEC-mapped polygons and summarized by categories specified by DEP Wetlands Scientists, already used for FAD annual reporting purposes. Categories considered "Deepwater Habitats" include reservoirs or large lakes (L1), unconsolidated bottom (L2UB), riverbeds (RUB & RRB) or streambeds (RSB). Categories considered "Wetlands" include Palustrine Systems and exclude the Deepwater Habitats classes as well as all upland (U), and unconsolidated shore (L2US). These definitions are distinct from the definition of an NFC-qualified wetland under the WSP.

5. Forest features are from landcover classes derived from LiDAR, leaf-off and leaf-on imagery that was acquired by DEP in 2009. Specific classes included are Deciduous and Coniferous Trees from the landcover dataset, using the query "Landcover IN(1 , 4)"

Attachment A: Parcels Eased or Acquired in Fee Simple: 01/01/2024 to 06/30/2024

| <u>NYC</u> | | | | | | | | | |
|---------------------|---------------|-------------|--------------|----------------------|-----------------------|----------------------------|------------------|-----------------|---------------------|
| <u>Property</u> | | | | | | | | <u>Acquired</u> | |
| <u>ID</u> | <u>County</u> | <u>Town</u> | <u>Basin</u> | <u>Priority Area</u> | <u>Tax Map Number</u> | <u>Location</u> | <u>R.E. Type</u> | <u>Acres</u> | <u>Closing Date</u> |
| 3432 | Delaware | Andes | Pepacton | 4 | 365.-1-4.12 | Cross Mountain Road | Fee (City Fee) | 77.9 | 03/15/2024 |
| 3941 | Delaware | Hamden | Cannonsville | 3 | 212.-1-18 | Meehan Road & Launt Hollow | Fee (City Fee) | 60.0 | 05/06/2024 |
| 3941 | Delaware | Hamden | Cannonsville | 3 | 212.-1-19.142 | Meehan Road & Launt Hollow | Fee (City Fee) | 5.0 | 05/06/2024 |
| 1409 | Delaware | Tompkins | Cannonsville | 1A | 333.-1-1 | Hathaway Pond Road | Fee (City Fee) | 53.4 | 03/15/2024 |
| 6243 | Greene | Prattsville | Schoharie | 4 | 43.00-2-35 | Huntersfield Rd | WAC CE (WAC CE) | 138.6 | 06/18/2024 |
| 6221 | Greene | Windham | Schoharie | 4 | 61.00-1-86 | Siam Rd | WAC CE (WAC CE) | 56.5 | 06/18/2024 |
| 8670 | Greene | Windham | Schoharie | 3 | 114.00-1-36 | County Rt 56 | Fee (City Fee) | 14.5 | 03/11/2024 |
| 9909 | Greene | Windham | Schoharie | 4 | 78.00-1-90 | Tap Jam Rd | Fee (SAP) | 2.3 | 03/25/2024 |
| Grand Totals | | | | | Count: 8 | | | 408.1 | |

Attachment B: Summary of Executed and Closed Contracts in the CAT-DEL System Between 01/01/1997 and 06/30/2024

1A

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|-----------------------|--------------------|--------------|--|
| City CE | 5 | 317 | \$1,166,346 |
| City Fee | 134 | 4,945 | \$45,950,272 |
| 1A Sub-Totals: | 139 | 5,262 | \$47,116,618 |

1B

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|-----------------------|--------------------|---------------|--|
| City CE | 20 | 2,789 | \$25,662,274 |
| City Fee | 314 | 14,085 | \$106,652,117 |
| WAC CE | 7 | 980 | \$3,137,234 |
| WAC FE | 1 | 1,051 | \$604,411 |
| 1B Sub-Totals: | 342 | 18,906 | \$136,056,036 |

2

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|----------------------|--------------------|---------------|--|
| City CE | 15 | 2,179 | \$7,154,775 |
| City FBO | 17 | 56 | \$4,105,500 |
| City Fee | 159 | 9,614 | \$28,528,848 |
| FEMA | 18 | 26 | \$137,500 |
| 2 Sub-Totals: | 209 | 11,875 | \$39,926,623 |

3

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|----------------------|--------------------|---------------|--|
| City CE | 32 | 4,562 | \$7,474,303 |
| City FBO | 4 | 4 | \$377,100 |
| City Fee | 319 | 27,885 | \$75,421,517 |
| FEMA | 4 | 4 | \$17,400 |
| SAP | 7 | 64 | \$346,834 |
| WAC CE | 63 | 9,902 | \$13,236,890 |
| WAC FE | 5 | 846 | \$785,054 |
| 3 Sub-Totals: | 434 | 43,267 | \$97,659,098 |

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|--------------------------|---------------------|-----------------------|--|
| City CE | 99 | 16,641 | \$31,326,076 |
| City FBO | 12 | 12 | \$2,510,469 |
| City Fee | 465 | 41,332 | \$130,982,953 |
| FEMA | 42 | 44 | \$298,675 |
| SAP | 33 | 256 | \$1,969,025 |
| WAC CE | 89 | 17,540 | \$25,638,710 |
| WAC FE | 4 | 1,215 | \$1,670,869 |
| 4 Sub-Totals: | 744 | 77,040 | \$194,396,777 |
| Watershed Totals: | <u>1,868</u> | <u>156,350</u> | <u>\$515,155,152</u> |

**Attachment C: Summary of Executed Contracts in the CAT-DEL System
Between 01/01/2010 and 06/30/2024 [Excludes Rescinded Contracts]**

1A

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|-----------------------|--------------------|--------------|--|
| City CE | 1 | 135 | \$666,736 |
| City Fee | 27 | 661 | \$18,160,269 |
| 1A Sub-Totals: | 28 | 796 | \$18,827,004 |

1B

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|-----------------------|--------------------|--------------|--|
| City CE | 7 | 883 | \$19,099,982 |
| City Fee | 37 | 1,884 | \$7,936,460 |
| WAC FE | 1 | 1,051 | \$604,411 |
| 1B Sub-Totals: | 45 | 3,819 | \$27,640,853 |

2

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|----------------------|--------------------|--------------|--|
| City CE | 1 | 58 | \$260,505 |
| City FBO | 17 | 56 | \$4,105,500 |
| City Fee | 16 | 1,657 | \$6,367,729 |
| FEMA | 18 | 26 | \$137,500 |
| 2 Sub-Totals: | 52 | 1,797 | \$10,871,234 |

3

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|----------------------|--------------------|---------------|--|
| City CE | 12 | 1,782 | \$3,645,183 |
| City FBO | 4 | 4 | \$377,100 |
| City Fee | 120 | 9,223 | \$31,973,361 |
| FEMA | 3 | 2 | \$0 |
| SAP | 7 | 64 | \$346,834 |
| WAC CE | 20 | 2,878 | \$5,432,715 |
| WAC FE | 5 | 846 | \$785,054 |
| 3 Sub-Totals: | 171 | 14,799 | \$42,560,246 |

| <u>R. E. Type</u> | <u># Contracts</u> | <u>Acres</u> | <u>Appraised Value / Final Value</u> |
|--------------------------|--------------------|----------------------|--|
| City CE | 19 | 3,623 | \$6,854,207 |
| City FBO | 12 | 12 | \$2,510,469 |
| City Fee | 231 | 20,517 | \$71,622,519 |
| FEMA | 15 | 32 | \$91,000 |
| SAP | 33 | 256 | \$1,969,025 |
| WAC CE | 42 | 7,280 | \$13,233,210 |
| WAC FE | 4 | 1,215 | \$1,670,869 |
| 4 Sub-Totals: | 356 | 32,935 | \$97,951,299 |
| Watershed Totals: | <u>652</u> | <u>54,145</u> | <u>\$197,850,637</u> |