

Appendix D: Noise and Vibration

TNM Modeling Results Summary – Westchester County

| Receptor | | | Existing Sound Level | No-Build Sound Level | Short Span Build Sound Level | Long Span Build Sound Level | Impact | Benefits of Recommended Barriers | | |
|------------------------------|----------|---------------------------|----------------------|----------------------|------------------------------|-----------------------------|--------|----------------------------------|----------------|---------------------|
| Receiver | Land Use | # of Receptor Represented | | | | | | Build Sound Level with Barrier | Insertion Loss | Receptor Benefitted |
| 281A S BROADWAY ¹ | B | -- | 68 | 67 | 67 | 67 | Yes | 60 | 8 | Yes |
| 281A S BROADWAY ¹ | B | -- | 66 | 65 | 67 | 67 | Yes | 60 | 7 | Yes |
| 281A S BROADWAY ¹ | B | -- | 69 | 69 | 70 | 70 | Yes | 63 | 7 | Yes |
| 281A S BROADWAY ¹ | B | -- | 63 | 63 | 64 | 64 | No | 61 | 3 | No |
| 281A S BROADWAY ¹ | B | -- | 64 | 64 | 65 | 65 | No | 60 | 5 | Yes |
| 281A S BROADWAY ¹ | B | -- | 66 | 66 | 68 | 68 | Yes | 61 | 7 | Yes |
| 281A S BROADWAY ¹ | B | -- | 63 | 62 | 63 | 63 | No | 60 | 4 | No |
| 281A S BROADWAY Tennis Court | B | 96 | 69 | 68 | 64 | 64 | No | 55 | 9 | Yes |
| 281A S BROADWAY Tennis Court | B | 96 | 68 | 67 | 61 | 61 | No | 52 | 9 | Yes |
| 281A S BROADWAY Pool | B | 96 | 70 | 70 | 68 | 68 | Yes | 57 | 11 | Yes |
| 119 TAPPAN LANDING RD | B | 1 | 66 | 66 | 64 | 64 | No | 58 | 6 | Yes |
| 113 TAPPAN LANDING RD | B | 1 | 65 | 64 | 63 | 63 | No | 59 | 4 | No |
| 120 TAPPAN LANDING RD | B | 1 | 65 | 65 | 64 | 64 | No | 59 | 5 | Yes |
| 205 RIVERVIEW AVE | B | 1 | 65 | 64 | 66 | 66 | Yes | 60 | 6 | Yes |
| 95 VAN WART AVE | B | 1 | 63 | 62 | 59 | 59 | No | 59 | 0 | No |
| 7 HUDSON PL | B | 1 | 63 | 63 | 62 | 62 | No | 62 | 0 | No |
| 11 HUDSON PL | B | 1 | 62 | 61 | 59 | 59 | No | 59 | 0 | No |
| 5 HUDSON PL | B | 1 | 63 | 63 | 61 | 61 | No | 61 | 0 | No |
| 1 HUDSON PL | B | 1 | 61 | 61 | 60 | 60 | No | 60 | 0 | No |
| 104 VAN WART AVE | B | 1 | 60 | 59 | 57 | 57 | No | 57 | 0 | No |
| 94 VAN WART AVE | B | 1 | 59 | 59 | 58 | 58 | No | 58 | 0 | No |
| 3 WASHINGTON PL | B | 1 | 60 | 60 | 59 | 59 | No | 59 | 0 | No |
| 107 PAULDING AVE | B | 1 | 58 | 58 | 57 | 57 | No | 57 | 0 | No |
| 88 PAULDING AVE | B | 1 | 56 | 56 | 56 | 56 | No | 56 | 0 | No |
| 72 PAULDING AVE | B | 1 | 57 | 58 | 57 | 57 | No | 57 | 0 | No |
| 36 PAULDING AVE | B | 1 | 61 | 60 | 60 | 60 | No | 60 | 0 | No |
| 15 PAULDING AVE | B | 1 | 62 | 62 | 61 | 61 | No | 61 | 0 | No |
| 48 VAN WART AVE | B | 1 | 62 | 62 | 62 | 62 | No | 62 | 0 | No |
| 73 PAULDING AVE | B | 1 | 59 | 59 | 58 | 58 | No | 58 | 0 | No |
| 61 PAULDING AVE | B | 1 | 60 | 60 | 60 | 60 | No | 60 | 0 | No |
| 371 S BROADWAY | C | 1 | 62 | 59 | 60 | 60 | No | 60 | 0 | No |
| 27 TARRY PL | B | 1 | 64 | 64 | 64 | 64 | No | 64 | 1 | No |
| 39 TARRY PL | B | 1 | 64 | 64 | 64 | 64 | No | 64 | 0 | No |
| 330 S BROADWAY | B | 1 | 60 | 60 | 60 | 60 | No | 60 | 1 | No |
| 330 S BROADWAY | B | 1 | 61 | 62 | 62 | 62 | No | 61 | 1 | No |
| 330 S BROADWAY | B | 1 | 58 | 59 | 59 | 59 | No | 58 | 0 | No |
| 9 TAPPAN LANDING RD | B | 1 | 62 | 62 | 61 | 61 | No | 58 | 3 | No |
| 17 TAPPAN LANDING RD | B | 1 | 61 | 60 | 60 | 60 | No | 58 | 2 | No |
| 99 VAN WART AVE | B | 1 | 61 | 60 | 58 | 58 | No | 58 | 0 | No |
| 33 TARRY PL | B | 1 | 64 | 64 | 64 | 64 | No | 64 | 0 | No |
| 20 TAPPAN LANDING RD | B | 1 | 60 | 59 | 59 | 59 | No | 57 | 2 | No |
| 22 TAPPAN LANDING RD | B | 1 | 60 | 59 | 59 | 59 | No | 56 | 2 | No |
| 24 TAPPAN LANDING RD | B | 1 | 60 | 59 | 59 | 59 | No | 56 | 3 | No |
| 28 TAPPAN LANDING RD | B | 1 | 60 | 60 | 60 | 60 | No | 57 | 3 | No |

TNM Modeling Results Summary – Westchester County (Continued)

| Receptor | | | Existing Sound Level | No-Build Sound Level | Short Span Build Sound Level | Long Span Build Sound Level | Impact | Benefits of Recommended Barriers | | |
|-----------------------|----------|---------------------------|----------------------|----------------------|------------------------------|-----------------------------|--------|----------------------------------|----------------|---------------------|
| Receiver | Land Use | # of Receptor Represented | | | | | | Build Sound Level with Barrier | Insertion Loss | Receptor Benefitted |
| 91 TAPPAN LANDING RD | B | 1 | 61 | 60 | 60 | 60 | No | 57 | 3 | No |
| 83 TAPPAN LANDING RD | B | 1 | 60 | 60 | 60 | 60 | No | 57 | 3 | No |
| 77 TAPPAN LANDING RD | B | 1 | 59 | 59 | 59 | 59 | No | 56 | 3 | No |
| 73 TAPPAN LANDING | B | 1 | 58 | 58 | 58 | 58 | No | 56 | 3 | No |
| 69 TAPPAN LANDING RD | B | 1 | 58 | 57 | 57 | 57 | No | 55 | 3 | No |
| 65 TAPPAN LANDING RD | B | 1 | 57 | 56 | 57 | 57 | No | 54 | 3 | No |
| 63 TAPPAN LANDING RD | B | 1 | 55 | 55 | 57 | 57 | No | 54 | 2 | No |
| 117 TAPPAN LANDING RD | B | 1 | 65 | 65 | 64 | 64 | No | 60 | 4 | No |
| 109 TAPPAN LANDING RD | B | 1 | 64 | 63 | 63 | 63 | No | 59 | 4 | No |
| 105 TAPPAN LANDING RD | B | 1 | 63 | 63 | 62 | 62 | No | 59 | 3 | No |
| 101 TAPPAN LANDING RD | B | 1 | 63 | 62 | 61 | 61 | No | 58 | 3 | No |
| 121 TAPPAN LANDING RD | B | 1 | 66 | 65 | 64 | 64 | No | 59 | 6 | Yes |
| 116 TAPPAN LANDING RD | B | 1 | 64 | 64 | 63 | 63 | No | 58 | 5 | Yes |
| 110 TAPPAN LANDING RD | B | 1 | 64 | 63 | 63 | 63 | No | 58 | 4 | No |
| 104 TAPPAN LANDING RD | B | 1 | 63 | 62 | 62 | 62 | No | 58 | 4 | No |
| 96 TAPPAN LANDING RD | B | 1 | 62 | 61 | 61 | 61 | No | 57 | 4 | No |
| 90 TAPPAN LANDING RD | B | 1 | 61 | 60 | 60 | 60 | No | 57 | 3 | No |
| 86 TAPPAN LANDING RD | B | 1 | 58 | 58 | 60 | 60 | No | 56 | 3 | No |
| 82 TAPPAN LANDING RD | B | 1 | 57 | 57 | 59 | 59 | No | 56 | 3 | No |
| 70 TAPPAN LANDING RD | B | 1 | 57 | 56 | 58 | 58 | No | 55 | 3 | No |
| 62 TAPPAN LANDING RD | B | 1 | 56 | 56 | 57 | 57 | No | 55 | 2 | No |
| 163 RIVERVIEW AVE | B | 1 | 58 | 57 | 58 | 58 | No | 56 | 2 | No |
| 171 RIVERVIEW AVE | B | 1 | 58 | 58 | 59 | 59 | No | 56 | 3 | No |
| 179 RIVERVIEW AVE | B | 1 | 59 | 59 | 60 | 60 | No | 57 | 3 | No |
| 185 RIVERVIEW AVE | B | 1 | 60 | 59 | 61 | 61 | No | 57 | 4 | No |
| 189 RIVERVIEW AVE | B | 1 | 61 | 60 | 61 | 61 | No | 58 | 4 | No |
| 195 RIVERVIEW AVE | B | 1 | 62 | 61 | 62 | 62 | No | 58 | 4 | No |
| 199 RIVERVIEW AVE | B | 1 | 63 | 62 | 63 | 63 | No | 59 | 4 | No |
| 203 RIVERVIEW AVE | B | 1 | 63 | 63 | 64 | 64 | No | 59 | 5 | Yes |
| 204 RIVERVIEW AVE | B | 1 | 63 | 63 | 64 | 64 | No | 59 | 5 | Yes |
| 200 RIVERVIEW AVE | B | 1 | 62 | 62 | 63 | 63 | No | 59 | 4 | No |
| 196 RIVERVIEW AVE | B | 1 | 61 | 61 | 62 | 62 | No | 58 | 4 | No |
| 188 RIVERVIEW AVE | B | 1 | 60 | 60 | 61 | 61 | No | 57 | 3 | No |
| 182 RIVERVIEW AVE | B | 1 | 60 | 59 | 60 | 60 | No | 57 | 3 | No |
| 176 RIVERVIEW AVE | B | 1 | 59 | 58 | 59 | 59 | No | 56 | 3 | No |
| 170 RIVERVIEW AVE | B | 1 | 58 | 57 | 58 | 58 | No | 55 | 3 | No |
| 3 HALF MOON LN | B | 1 | 58 | 57 | 58 | 58 | No | 55 | 3 | No |
| 5 HALF MOON LN | B | 1 | 58 | 58 | 59 | 59 | No | 56 | 3 | No |
| 15 HALF MOON LN | B | 1 | 59 | 59 | 60 | 60 | No | 57 | 3 | No |
| 21 HALF MOON LN | B | 1 | 60 | 60 | 60 | 60 | No | 57 | 3 | No |
| 27 HALF MOON LN | B | 1 | 61 | 61 | 61 | 61 | No | 58 | 4 | No |
| 15 TAPPAN LANDING RD | B | 1 | 62 | 61 | 61 | 61 | No | 58 | 3 | No |
| 4 HALF MOON LN | B | 1 | 57 | 57 | 57 | 57 | No | 55 | 2 | No |
| 10 HALF MOON LN | B | 1 | 58 | 57 | 58 | 58 | No | 56 | 2 | No |

TNM Modeling Results Summary – Westchester County (Continued)

| Receptor | | | Existing Sound Level | No-Build Sound Level | Short Span Build Sound Level | Long Span Build Sound Level | Impact | Benefits of Recommended Barriers | | |
|----------------------------|----------|---------------------------|----------------------|----------------------|------------------------------|-----------------------------|--------|----------------------------------|----------------|---------------------|
| Receiver | Land Use | # of Receptor Represented | | | | | | Build Sound Level with Barrier | Insertion Loss | Receptor Benefitted |
| 16 HALF MOON LA | B | 1 | 59 | 58 | 59 | 59 | No | 56 | 3 | No |
| 22 HALF MOON LN | B | 1 | 60 | 59 | 60 | 60 | No | 57 | 3 | No |
| 28 HALF MOON LN | B | 1 | 60 | 60 | 60 | 60 | No | 57 | 3 | No |
| 30 HALF MOON LN | B | 1 | 61 | 60 | 61 | 61 | No | 58 | 3 | No |
| 29 HALF MOON LN | B | 1 | 61 | 61 | 62 | 62 | No | 58 | 4 | No |
| 30 TAPPAN LANDING RD | B | 1 | 57 | 57 | 57 | 57 | No | 55 | 2 | No |
| 3 HENDRICK LA | B | 1 | 58 | 57 | 58 | 58 | No | 56 | 2 | No |
| 9 HENDRICK LN | B | 1 | 58 | 58 | 59 | 59 | No | 56 | 2 | No |
| 13 HENDRICK LA | B | 1 | 59 | 59 | 59 | 59 | No | 57 | 2 | No |
| 15 HENDRICK LN | B | 1 | 59 | 59 | 60 | 60 | No | 57 | 2 | No |
| BROADWAY | B | 1 | 58 | 58 | 59 | 59 | No | 57 | 2 | No |
| 97 VAN WART AVE | B | 1 | 62 | 62 | 59 | 59 | No | 59 | 0 | No |
| 9 HUDSON PL | B | 1 | 63 | 62 | 60 | 60 | No | 60 | 0 | No |
| 3 HUDSON PL | B | 1 | 63 | 63 | 62 | 62 | No | 62 | 0 | No |
| 2 HUDSON PL | B | 1 | 59 | 59 | 58 | 58 | No | 58 | 0 | No |
| 80 VAN WART AVE | B | 1 | 60 | 60 | 59 | 59 | No | 59 | 0 | No |
| 92 PAULDING AVE | B | 1 | 55 | 55 | 54 | 54 | No | 54 | 0 | No |
| 94 PAULDING AVE | B | 1 | 57 | 56 | 55 | 55 | No | 55 | 0 | No |
| 76 PAULDING AVE | B | 1 | 57 | 57 | 57 | 57 | No | 57 | 0 | No |
| 66 PAULDING AVE | B | 1 | 58 | 58 | 58 | 58 | No | 58 | 0 | No |
| 60-62 PAULDING AVE | B | 1 | 58 | 58 | 58 | 58 | No | 58 | 0 | No |
| 58 PAULDING AVE | B | 1 | 59 | 59 | 59 | 59 | No | 59 | 0 | No |
| 24 PAULDING AVE | B | 1 | 63 | 62 | 62 | 62 | No | 62 | 0 | No |
| 117 PAULDING AVE | B | 1 | 58 | 57 | 56 | 56 | No | 56 | 0 | No |
| 113 PAULDING AVE | B | 1 | 58 | 58 | 56 | 56 | No | 56 | 0 | No |
| 91 PAULDING AVE | B | 1 | 58 | 58 | 57 | 57 | No | 57 | 0 | No |
| 101 PAULDING AVE | B | 1 | 59 | 58 | 57 | 57 | No | 57 | 0 | No |
| 81 PAULDING AVE | B | 1 | 58 | 59 | 58 | 58 | No | 58 | 0 | No |
| 47 PAULDING AVE | B | 1 | 61 | 61 | 60 | 60 | No | 60 | 0 | No |
| 65 PAULDING AVE | B | 1 | 59 | 59 | 59 | 59 | No | 59 | 0 | No |
| 69 PAULDING AVE | B | 1 | 59 | 59 | 58 | 58 | No | 58 | 0 | No |
| 8 WASHINGTON PL | B | 1 | 60 | 60 | 59 | 59 | No | 59 | 0 | No |
| 2 WASHINGTON PL | B | 1 | 60 | 60 | 59 | 59 | No | 59 | 0 | No |
| 50 VAN WART AVE | B | 1 | 61 | 62 | 61 | 61 | No | 61 | 0 | No |
| 371 S BROADWAY | C | 1 | 62 | 60 | 60 | 60 | No | 60 | 0 | No |
| 25 SAWYER AVE | B | 1 | 76 | 76 | 75 | 75 | Yes | 63 | 12 | Yes |
| 26 TARRY PL | B | 1 | 71 | 71 | 70 | 70 | Yes | 65 | 5 | Yes |
| NYSTA MAINTENANCE FACILITY | E | 1 | 73 | 73 | 72 | 72 | Yes | 72 | 0 | No |
| 350 S BROADWAY | E | 1 | 62 | 63 | 62 | 62 | No | 62 | 0 | No |
| 425 S BROADWAY | E | 1 | 66 | 63 | 64 | 64 | No | 64 | 0 | No |
| 400 S BROADWAY | E | 1 | 76 | 74 | 74 | 74 | Yes | 74 | 0 | No |
| S BROADWAY | E | 1 | 73 | 70 | 70 | 70 | No | 70 | 0 | No |
| 460 S BROADWAY | E | 1 | 69 | 66 | 66 | 66 | No | 66 | 0 | No |

TNM Modeling Results Summary – Westchester County (Continued)

| Receptor | | | Existing Sound Level | No-Build Sound Level | Short Span Build Sound Level | Long Span Build Sound Level | Impact | Benefits of Recommended Barriers | | |
|--|----------|---------------------------|----------------------|----------------------|------------------------------|-----------------------------|--------|----------------------------------|----------------|---------------------|
| Receiver | Land Use | # of Receptor Represented | | | | | | Build Sound Level with Barrier | Insertion Loss | Receptor Benefitted |
| 120 WHITE PLAINS RD | E | 1 | 62 | 62 | 62 | 62 | No | 62 | 0 | No |
| 94 WHITE PLAINS RD | E | 1 | 64 | 63 | 63 | 63 | No | 62 | 1 | No |
| ¹ These receivers are positioned at open spaces within Quay Condominium and are included in the modeling for informational purposes. The determination of impacted receptors and subsequent barrier abatement analysis are made based on the modeling results at those frequently used exterior receivers such as swimming pool and tennis courts at the same property. | | | | | | | | | | |

TNM Modeling Results Summary – Rockland County

| Receptor | | | Existing Sound Level | No-Build Sound Level | Short Span Build Sound Level | Long Span Build Sound Level | Impact | Benefits of Recommended Barriers | | |
|--|----------|---------------------------|----------------------|----------------------|------------------------------|-----------------------------|--------|----------------------------------|----------------|---------------------|
| Receiver | Land Use | # of Receptor Represented | | | | | | Build Sound Level with Barrier | Insertion Loss | Receptor Benefitted |
| 2 Shadyside Av South Nyack NY | B | 1 | 66 | 67 | 67 | 67 | Yes | 64 | 2 | No |
| 3D Shadyside Av South Nyack NY | B | 1 | 66 | 66 | 66 | 66 | Yes | 65 | 2 | No |
| 5 Shadyside Av Orangetown NY | B | 1 | 65 | 65 | 65 | 65 | No | 64 | 1 | No |
| 6 Shadyside Av South Nyack NY | B | 1 | 65 | 66 | 66 | 66 | Yes | 63 | 3 | No |
| 8 Shadyside Av South Nyack NY | B | 1 | 64 | 65 | 65 | 65 | No | 62 | 3 | No |
| 1-4 Salisbury Pt South Nyack NY ¹ | B | -- | 65 | 66 | 66 | 66 | Yes | 60 | 6 | Yes |
| 1-4 Salisbury Pt South Nyack NY - pool | B | 120 | 66 | 67 | 66 | 66 | Yes | 60 | 7 | Yes |
| 1159 Rte 9W Orangetown NY | B | 1 | 65 | 65 | 65 | 65 | No | 61 | 3 | No |
| 448 S Broadway Orangetown NY | B | 1 | 66 | 67 | 66 | 66 | Yes | 61 | 5 | Yes |
| 450 S Broadway Orangetown NY | B | 1 | 66 | 66 | 65 | 65 | No | 61 | 4 | No |
| 452 S Broadway Orangetown NY | B | 1 | 65 | 66 | 65 | 65 | No | 61 | 4 | No |
| 456 S Broadway Orangetown NY | B | 1 | 65 | 65 | 64 | 64 | No | 61 | 4 | No |
| 453 S Broadway Orangetown NY | B | 1 | 67 | 67 | 66 | 66 | Yes | 61 | 5 | Yes |
| 459 S Broadway Orangetown NY | B | 1 | 66 | 67 | 66 | 66 | Yes | 61 | 5 | Yes |
| 8 Hawthorne Pl Orangetown NY | B | 1 | 65 | 66 | 65 | 65 | No | 61 | 4 | No |
| 2 Hawthorne Pl Orangetown NY | B | 1 | 65 | 66 | 65 | 65 | No | 61 | 4 | No |
| 4 Hawthorne Pl Grand View on Hudson NY | B | 1 | 67 | 67 | 66 | 66 | Yes | 62 | 5 | Yes |
| 1135 Rte 9W Orangetown NY | B | 1 | 65 | 65 | 65 | 65 | No | 61 | 4 | No |
| 5 Hawthorne Pl Orangetown NY | B | 1 | 67 | 67 | 66 | 66 | Yes | 62 | 4 | No |
| 35 River Rd Grand View on Hudson NY | B | 1 | 68 | 69 | 68 | 68 | Yes | 63 | 5 | Yes |
| 33 River Rd Grand View on Hudson NY | B | 1 | 69 | 70 | 68 | 68 | Yes | 63 | 5 | Yes |
| 36 River Rd Grand View on Hudson NY | B | 1 | 69 | 70 | 67 | 67 | Yes | 62 | 5 | Yes |
| 40 River Rd Grand View on Hudson NY | B | 1 | 70 | 70 | 67 | 67 | Yes | 62 | 4 | No |
| 41 River Rd Grand View on Hudson NY | B | 1 | 68 | 68 | 66 | 66 | Yes | 63 | 4 | No |
| 44 River Rd Grand View on Hudson NY | B | 1 | 67 | 68 | 65 | 65 | No | 62 | 3 | No |
| 45 River Rd Grand View on Hudson NY | B | 1 | 66 | 67 | 66 | 66 | Yes | 63 | 3 | No |
| 48 River Rd Grand View on Hudson NY | B | 1 | 67 | 67 | 65 | 65 | No | 62 | 3 | No |
| 50 River Rd Grand View on Hudson NY | B | 1 | 68 | 68 | 65 | 65 | No | 62 | 3 | No |
| 21 Cornelson Av South Nyack NY | B | 2 | 70 | 70 | 71 | 71 | Yes | 70 | 0 | No |
| 5 Elizabeth Pl South Nyack NY | B | 1 | 70 | 70 | 70 | 70 | Yes | 66 | 4 | No |
| 79 Smith Av South Nyack NY | B | 1 | 72 | 72 | 72 | 72 | Yes | 72 | 0 | No |
| 13-17 Cornelson Av South Nyack NY | B | 12 | 68 | 69 | 69 | 69 | Yes | 69 | 0 | No |
| 321 S Broadway South Nyack NY | B | 1 | 76 | 76 | 75 | 75 | Yes | 64 | 11 | Yes |
| 319 S Broadway South Nyack NY | B | 1 | 77 | 78 | 77 | 77 | Yes | 64 | 13 | Yes |
| 317 S Broadway South Nyack NY | B | 1 | 78 | 78 | 78 | 78 | Yes | 64 | 14 | Yes |
| 10 Ferris Ln Orangetown NY | B | 1 | 76 | 77 | 76 | 76 | Yes | 62 | 14 | Yes |
| 11 Ferris Ln Orangetown NY | B | 1 | 72 | 72 | 71 | 71 | Yes | 61 | 10 | Yes |
| 9 Ferris Ln Orangetown NY | B | 1 | 70 | 70 | 69 | 69 | Yes | 61 | 8 | Yes |
| 7 Ferris Ln Orangetown NY | B | 1 | 71 | 72 | 71 | 71 | Yes | 62 | 8 | Yes |
| 449 S Broadway Orangetown NY | B | 1 | 68 | 68 | 68 | 68 | Yes | 62 | 6 | Yes |
| 447 S Broadway Orangetown NY | B | 1 | 69 | 69 | 69 | 69 | Yes | 62 | 7 | Yes |

TNM Modeling Results Summary – Rockland County (Continued)

| Receptor | | | Existing Sound Level | No-Build Sound Level | Short Span Build Sound Level | Long Span Build Sound Level | Impact | Benefits of Recommended Barriers | | |
|--------------------------------------|----------|---------------------------|----------------------|----------------------|------------------------------|-----------------------------|--------|----------------------------------|----------------|---------------------|
| Receiver | Land Use | # of Receptor Represented | | | | | | Build Sound Level with Barrier | Insertion Loss | Receptor Benefitted |
| 445 S Broadway Orangetown NY | B | 1 | 69 | 70 | 69 | 69 | Yes | 62 | 7 | Yes |
| 5 Ferris Ln Orangetown NY | B | 1 | 73 | 73 | 72 | 72 | Yes | 63 | 9 | Yes |
| 3 Ferris Ln Orangetown NY | B | 1 | 72 | 72 | 72 | 72 | Yes | 63 | 8 | Yes |
| 1 Ferris Ln Orangetown NY | B | 1 | 75 | 75 | 74 | 74 | Yes | 64 | 10 | Yes |
| 325 S Broadway Orangetown NY | B | 1 | 72 | 72 | 71 | 71 | Yes | 63 | 8 | Yes |
| 323 S Broadway Orangetown NY | B | 1 | 73 | 73 | 72 | 72 | Yes | 63 | 9 | Yes |
| 3 Elizabeth Pl South Nyack NY | B | 1 | 72 | 72 | 72 | 72 | Yes | 66 | 6 | Yes |
| 1 Elizabeth Pl South Nyack NY | B | 4 | 73 | 73 | 73 | 73 | Yes | 66 | 7 | Yes |
| 6 Elizabeth Pl South Nyack NY | B | 1 | 68 | 69 | 68 | 68 | Yes | 63 | 5 | Yes |
| 4 Elizabeth Pl South Nyack NY | B | 1 | 70 | 71 | 69 | 69 | Yes | 64 | 5 | Yes |
| 2 Elizabeth Pl South Nyack NY | B | 1 | 71 | 72 | 70 | 70 | Yes | 64 | 6 | Yes |
| 306 S Broadway South Nyack NY | B | 1 | 77 | 77 | 76 | 76 | Yes | 65 | 11 | Yes |
| 308 S Broadway South Nyack NY | B | 1 | 74 | 75 | 74 | 74 | Yes | 65 | 9 | Yes |
| 312 S Broadway South Nyack NY | B | 1 | 73 | 73 | 73 | 73 | Yes | 64 | 9 | Yes |
| 314 S Broadway South Nyack NY | B | 1 | 73 | 73 | 72 | 72 | Yes | 64 | 8 | Yes |
| 1 Hamilton Pl South Nyack NY | B | 1 | 71 | 71 | 70 | 70 | Yes | 63 | 7 | Yes |
| 3 Hamilton Pl South Nyack NY | B | 1 | 70 | 70 | 69 | 69 | Yes | 63 | 6 | Yes |
| 5 Hamilton Pl South Nyack NY | B | 1 | 69 | 69 | 68 | 68 | Yes | 62 | 6 | Yes |
| 7 Hamilton Pl South Nyack NY | B | 1 | 68 | 69 | 68 | 68 | Yes | 63 | 5 | Yes |
| 9 Hamilton Pl South Nyack NY | B | 1 | 67 | 67 | 67 | 67 | Yes | 62 | 5 | Yes |
| 8 Hamilton Pl South Nyack NY | B | 1 | 67 | 67 | 66 | 66 | Yes | 61 | 5 | Yes |
| 6 Hamilton Pl South Nyack NY | B | 1 | 68 | 68 | 67 | 67 | Yes | 62 | 5 | Yes |
| 4 Hamilton Pl South Nyack NY | B | 1 | 69 | 69 | 68 | 68 | Yes | 62 | 6 | Yes |
| 2 Hamilton Pl South Nyack NY | B | 1 | 70 | 70 | 69 | 69 | Yes | 63 | 6 | Yes |
| 316 S Broadway South Nyack NY | B | 2 | 71 | 71 | 70 | 70 | Yes | 63 | 7 | Yes |
| 320 S Broadway South Nyack NY | B | 1 | 70 | 71 | 69 | 69 | Yes | 62 | 7 | Yes |
| 2 Livingston Pl South Nyack NY | B | 1 | 68 | 69 | 68 | 68 | Yes | 62 | 6 | Yes |
| 4 Livingston Pl South Nyack NY | B | 1 | 67 | 67 | 67 | 67 | Yes | 61 | 5 | Yes |
| 3 Livingston Pl South Nyack NY | B | 1 | 67 | 68 | 67 | 67 | Yes | 61 | 6 | Yes |
| 1 Livingston Pl South Nyack NY | B | 1 | 69 | 70 | 69 | 69 | Yes | 62 | 7 | Yes |
| 324 S Broadway Orangetown NY | B | 1 | 69 | 69 | 69 | 69 | Yes | 62 | 7 | Yes |
| 326 S Broadway Orangetown NY | B | 1 | 68 | 69 | 69 | 69 | Yes | 62 | 7 | Yes |
| 330 S Broadway Orangetown NY | B | 1 | 68 | 68 | 68 | 68 | Yes | 62 | 6 | Yes |
| 400 S Broadway Orangetown NY | B | 1 | 67 | 68 | 67 | 67 | Yes | 61 | 6 | Yes |
| 446 S Broadway Orangetown NY | B | 1 | 67 | 67 | 66 | 66 | Yes | 61 | 5 | Yes |
| 78 Smith Av South Nyack NY | B | 1 | 66 | 66 | 67 | 67 | Yes | 66 | 1 | No |
| 26A River Rd Grand View on Hudson NY | B | 1 | 71 | 71 | 68 | 68 | Yes | 62 | 7 | Yes |
| 24 River Rd Grand View on Hudson NY | B | 1 | 71 | 71 | 69 | 69 | Yes | 58 | 11 | Yes |
| 26 River Rd Grand View on Hudson NY | B | 1 | 71 | 71 | 69 | 69 | Yes | 60 | 9 | Yes |
| 22 River Rd Grand View on Hudson NY | B | 1 | 72 | 72 | 70 | 70 | Yes | 57 | 12 | Yes |

TNM Modeling Results Summary – Rockland County (Continued)

| Receptor | | | Existing Sound Level | No-Build Sound Level | Short Span Build Sound Level | Long Span Build Sound Level | Impact | Benefits of Recommended Barriers | | |
|---|----------|---------------------------|----------------------|----------------------|------------------------------|-----------------------------|--------|----------------------------------|----------------|---------------------|
| Receiver | Land Use | # of Receptor Represented | | | | | | Build Sound Level with Barrier | Insertion Loss | Receptor Benefitted |
| 292-302 Piermont Av South Nyack NY ¹ | B | -- | 65 | 66 | 67 | 67 | Yes | 61 | 6 | Yes |
| 292-302 Piermont Av South Nyack NY - pool | B | 72 | 67 | 68 | 67 | 67 | Yes | 60 | 8 | Yes |
| 29 River Rd Grand View on Hudson NY | B | 1 | 71 | 71 | 69 | 69 | Yes | 62 | 7 | Yes |
| 25 River Rd Grand View on Hudson NY | B | 1 | 70 | 70 | 68 | 68 | Yes | 60 | 8 | Yes |
| 23 River Rd Grand View on Hudson NY | B | 1 | 70 | 71 | 68 | 68 | Yes | 59 | 9 | Yes |
| 21 River Rd Grand View on Hudson NY | B | 1 | 72 | 73 | 70 | 70 | Yes | 59 | 11 | Yes |
| 13 River Rd Grand View on Hudson NY | B | 1 | 74 | 74 | 72 | 72 | Yes | 58 | 14 | Yes |
| 1 River Rd Grand View on Hudson NY | B | 1 | 76 | 76 | 72 | 72 | Yes | 59 | 13 | Yes |
| 3 River Rd Grand View on Hudson NY | B | 1 | 76 | 76 | 75 | 75 | Yes | 60 | 15 | Yes |
| 7 Shadyside Av Orangetown NY | B | 1 | 64 | 64 | 64 | 64 | No | 63 | 1 | No |
| 10 Shadyside Av South Nyack NY | B | 1 | 64 | 65 | 64 | 64 | No | 61 | 3 | No |
| 11 Shadyside Av Orangetown NY | B | 1 | 62 | 63 | 63 | 63 | No | 62 | 1 | No |
| 12 Shadyside Av Orangetown NY | B | 1 | 63 | 64 | 64 | 64 | No | 61 | 2 | No |
| 15 Shadyside Av Orangetown NY | B | 1 | 61 | 62 | 62 | 62 | No | 61 | 1 | No |
| 14 Shadyside Av Orangetown NY | B | 1 | 63 | 63 | 63 | 63 | No | 61 | 2 | No |
| 16 Shadyside Av Orangetown NY | B | 1 | 63 | 64 | 63 | 63 | No | 61 | 2 | No |
| 16A Shadyside Av Orangetown NY | B | 1 | 62 | 63 | 62 | 62 | No | 61 | 1 | No |
| 1158 Rte 9W Orangetown NY | B | 1 | 63 | 63 | 63 | 63 | No | 60 | 3 | No |
| 18 Shadyside Av Orangetown NY | B | 1 | 62 | 62 | 62 | 62 | No | 61 | 1 | No |
| 20 Shadyside Av Orangetown NY | B | 1 | 62 | 62 | 62 | 62 | No | 61 | 1 | No |
| 24 Shadyside Av Orangetown NY | B | 1 | 61 | 62 | 62 | 62 | No | 61 | 1 | No |
| 1156 Rte 9W Orangetown NY | B | 1 | 63 | 63 | 63 | 63 | No | 60 | 3 | No |
| 1150 Rte 9W Orangetown NY | B | 1 | 62 | 63 | 62 | 62 | No | 61 | 2 | No |
| 77 Smith Ave South Nyack NY | B | 1 | 67 | 67 | 67 | 67 | Yes | 67 | 0 | No |
| Smith Ave South Nyack NY | B | 1 | 66 | 66 | 67 | 67 | Yes | 66 | 1 | No |
| Piermont Ave-1 South Nyack NY | B | 1 | 65 | 65 | 65 | 65 | No | 64 | 1 | No |
| 9-11 Cornelison Av South Nyack NY | B | 2 | 64 | 65 | 64 | 64 | No | 64 | 1 | No |
| Piermont Ave-2 South Nyack NY | B | 1 | 63 | 64 | 64 | 64 | No | 62 | 2 | No |
| Piermont Ave-3 South Nyack NY | B | 1 | 63 | 64 | 64 | 64 | No | 62 | 2 | No |
| ELIZABETH PLACE PARK 1 | C | 1 | 75 | 75 | 74 | 74 | Yes | 69 | 5 | Yes |
| ELIZABETH PLACE PARK 2 | C | 1 | 76 | 76 | 76 | 76 | Yes | 71 | 5 | Yes |

¹ These receivers are positioned at open spaces within Salisbury Point Apartment Complex or Bradford Mews Condominium and are included in the modeling for informational purposes. The determination of impacted receptors and subsequent barrier abatement analysis are made based on the modeling results at those frequently used exterior receivers such as swimming pools at the same property.