

October 2021 Community Noise Report

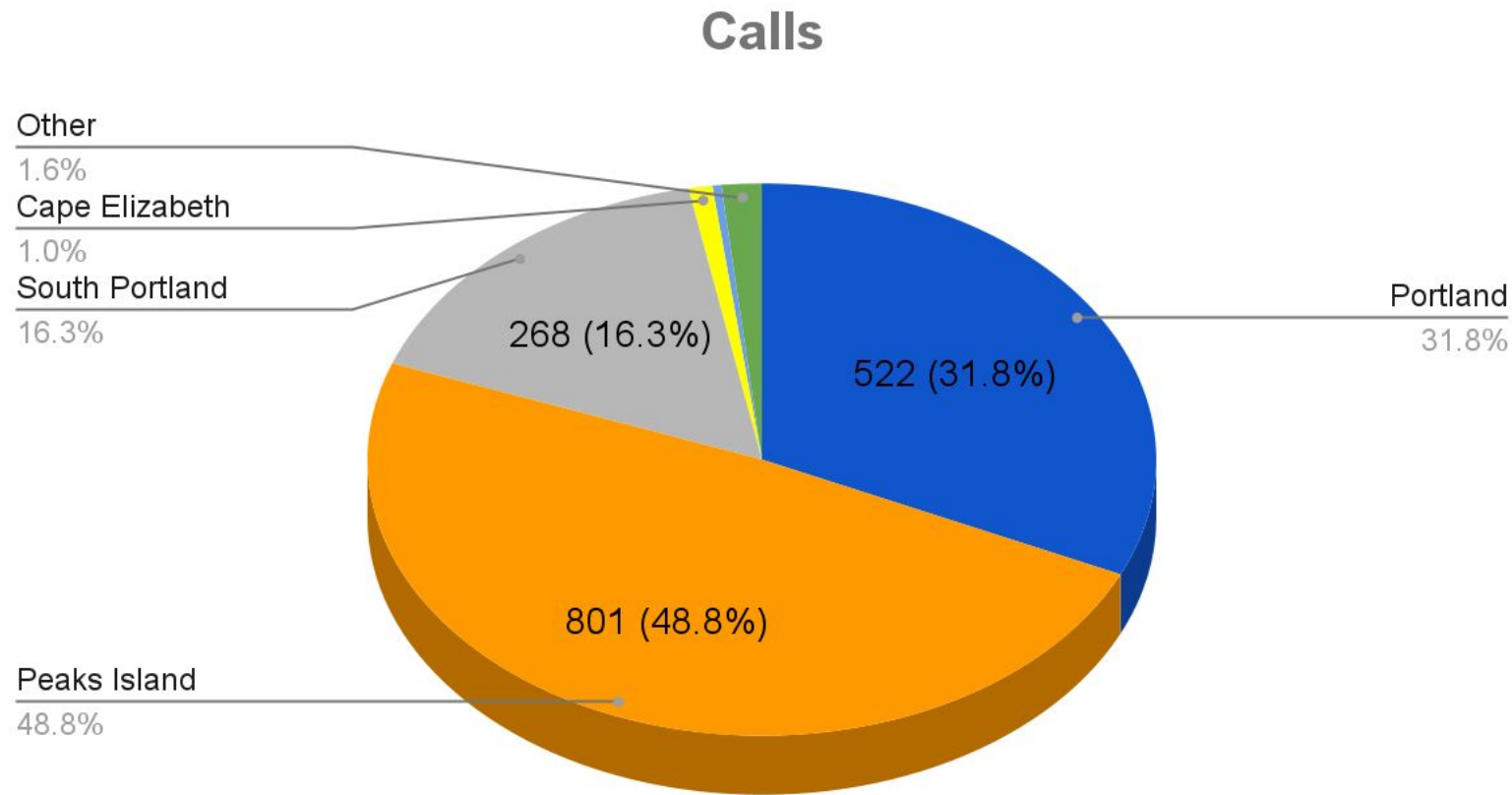


Noise Data: Noise Reports vs Reporters

| - | - | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 2013 | Report | 0 | 0 | 4 | 9 | 10 | 15 | 13 | 22 | 20 | 2 | 1 | 4 | 100 |
| | Reporter | 0 | 0 | 4 | 3 | 5 | 4 | 4 | 11 | 8 | 2 | 1 | 1 | 43 |
| 2014 | Report | 6 | 26 | 32 | 31 | 24 | 42 | 59 | 44 | 19 | 19 | 7 | 28 | 337 |
| | Reporter | 1 | 2 | 4 | 4 | 7 | 8 | 9 | 15 | 13 | 7 | 2 | 2 | 74 |
| 2015 | Report | 7 | 7 | 13 | 28 | 38 | 46 | 75 | 49 | 78 | 43 | 2 | 2 | 388 |
| | Reporter | 1 | 2 | 4 | 4 | 7 | 8 | 9 | 15 | 13 | 7 | 2 | 2 | 74 |
| 2016 | Report | 11 | 8 | 21 | 26 | 37 | 33 | 106 | 137 | 34 | 14 | 19 | 21 | 467 |
| | Reporter | 4 | 5 | 4 | 7 | 7 | 8 | 13 | 12 | 9 | 4 | 1 | 4 | 78 |
| 2017 | Report | 3 | 1 | 4 | 10 | 29 | 31 | 33 | 84 | 61 | 76 | 429 | 169 | 930 |
| | Reporter | 2 | 1 | 4 | 4 | 8 | 10 | 15 | 19 | 21 | 16 | 17 | 8 | 125 |
| 2018 | Report | 172 | 44 | 22 | 40 | 52 | 57 | 227 | 180 | 129 | 204 | 160 | 119 | 1406 |
| | Reporter | 4 | 9 | 9 | 4 | 8 | 16 | 27 | 22 | 17 | 18 | 16 | 31 | 181 |
| 2019 | Report | 74 | 34 | 33 | 9 | 55 | 97 | 115 | 359 | 141 | 66 | 58 | 33 | 1074 |
| | Reporter | 15 | 11 | 6 | 4 | 17 | 30 | 43 | 76 | 35 | 3 | 8 | 3 | 251 |
| 2020 | Report | 53 | 56 | 61 | 22 | 89 | 150 | 267 | 240 | 143 | 68 | 78 | 26 | 1253 |
| | Reporter | 9 | 9 | 9 | 5 | 31 | 48 | 38 | 49 | 22 | 18 | 20 | 9 | 267 |
| 2021 | Report | 34 | 19 | 54 | 53 | 87 | 160 | 207 | 397 | 343 | 286 | | | 1640 |
| | Reporter | 16 | 6 | 22 | 15 | 34 | 49 | 48 | 47 | 36 | 35 | | | 308 |

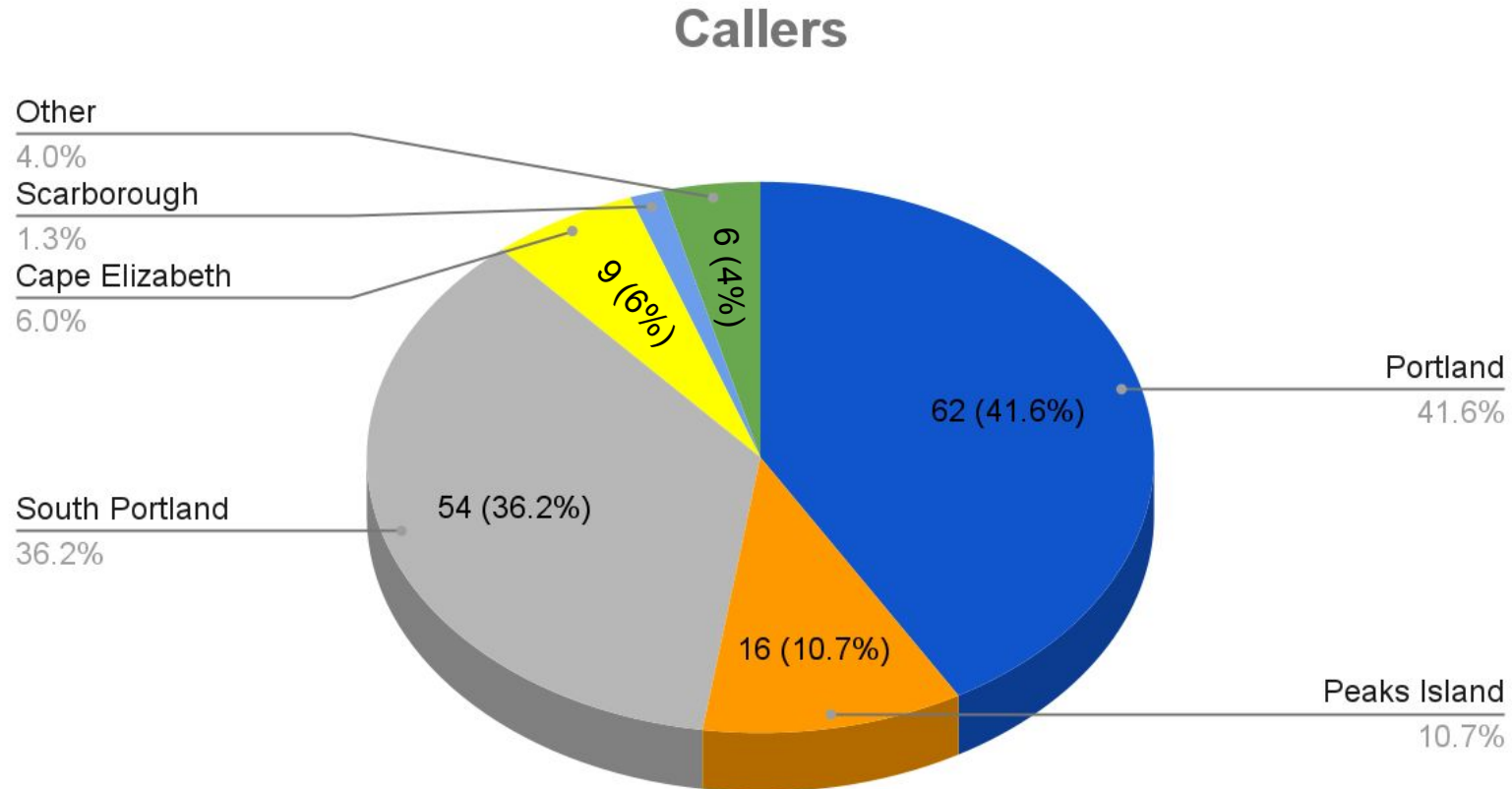
Noise Data: Reports by Neighborhood (January – October 2021)

Noise **Reports** by
Neighborhood –
1,640 complaints
since Jan. 1, 2021



Noise Data: Reporters by Neighborhood (January – October 2021)

Noise **Reporters** by
Neighborhood –
149 Unique Callers
since Jan. 1, 2021



Noise Data: Primary Runway Use

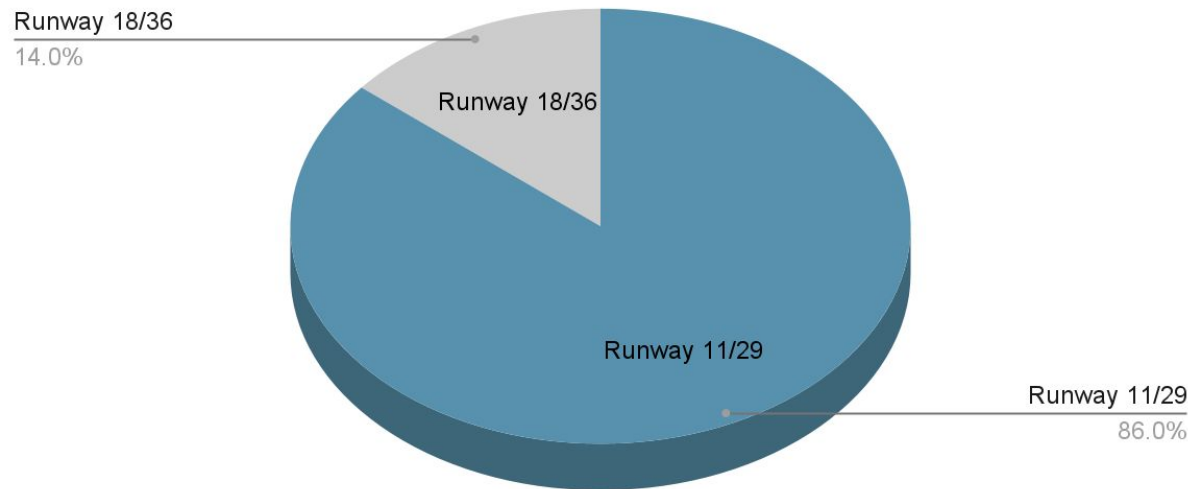
| PWM Runway Operations | | | | | | | | | | | | | |
|------------------------------|---------|----------|-------|-------|------|------|------|--------|-----------|---------|----------|----------|-------|
| 2021 | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 11A | 233 | 216 | 286 | 510 | 814 | 923 | 1752 | 1384 | 978 | 940 | | | 8036 |
| 11D | 151 | 131 | 197 | 378 | 561 | 709 | 1478 | 1171 | 829 | 848 | | | 6453 |
| 18A | 72 | 31 | 277 | 223 | 335 | 248 | 0 | 0 | 19 | 165 | | | 1370 |
| 18D | 49 | 21 | 251 | 203 | 332 | 277 | 0 | 0 | 30 | 203 | | | 1366 |
| 29A | 802 | 694 | 825 | 782 | 672 | 1542 | 1407 | 1663 | 1413 | 881 | | | 10681 |
| 29D | 824 | 733 | 864 | 853 | 776 | 1558 | 1453 | 1707 | 1479 | 1043 | | | 11290 |
| 36A | 213 | 74 | 106 | 214 | 203 | 100 | 0 | 0 | 95 | 123 | | | 1128 |
| 36D | 174 | 64 | 112 | 193 | 191 | 151 | 0 | 0 | 135 | 188 | | | 1208 |
| Total | 2518 | 1964 | 2918 | 3356 | 3884 | 5508 | 6090 | 5925 | 4978 | 4391 | | | 41532 |
| % Use of Primary Runway 2021 | 80% | 90% | 74% | 75% | 73% | 86% | 100% | 100% | 94% | 85% | | | 86% |
| % Use of Primary Runway 2020 | 92% | 90% | 84% | 74% | 67% | 82% | 100% | 100% | 100% | 88% | 85% | 88% | 88% |

Noise Data: FedEx / Wiggins Runway Use

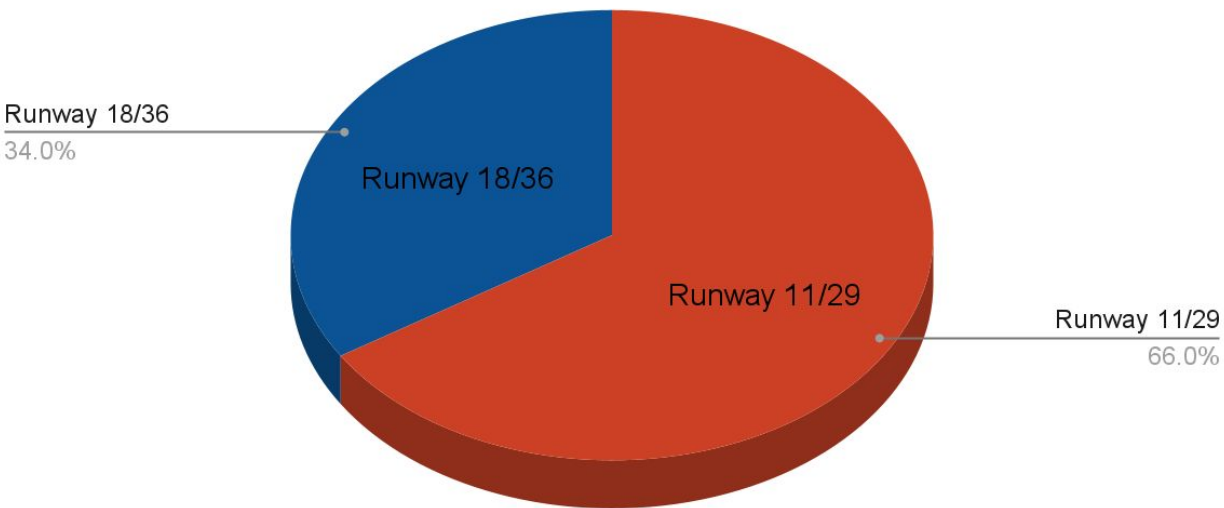
| PWM Runway Operations | | | | | | | | | | | | | |
|------------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| 2021 | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 11A | 3 | 11 | 9 | 10 | 10 | 11 | 48 | 36 | 32 | 3 | | | 173 |
| 11D | 6 | 3 | 5 | 1 | 13 | 9 | 19 | 11 | 11 | 4 | | | 82 |
| 18A | 21 | 12 | 35 | 28 | 41 | 32 | 0 | 0 | 7 | 39 | | | 215 |
| 18D | 0 | 0 | 8 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | | | 12 |
| 29A | 22 | 25 | 32 | 26 | 18 | 21 | 17 | 34 | 27 | 7 | | | 229 |
| 29D | 25 | 22 | 39 | 32 | 34 | 43 | 31 | 42 | 34 | 24 | | | 326 |
| 36A | 17 | 3 | 8 | 15 | 9 | 5 | 0 | 0 | 3 | 5 | | | 65 |
| 36D | 22 | 6 | 17 | 31 | 18 | 3 | 0 | 0 | 13 | 22 | | | 132 |
| Total | 116 | 82 | 153 | 143 | 147 | 124 | 115 | 123 | 127 | 104 | 0 | 0 | 1234 |
| % Use of Primary Runway 2021 | 48% | 74% | 56% | 48% | 51% | 68% | 100% | 100% | 82% | 37% | | | 66% |
| % Use of Primary Runway 2020 | 75% | 63% | 50% | 42% | 40% | 63% | 100% | 100% | 100% | 74% | 56% | 66% | 69% |

Noise Data: Runway Use January - October 2021

Total Runway Usage



Wiggins Runway Usage



Noise Data: Runway Preference During Noise Sensitive Hours 10pm-7am

| Noise Data: NCP compliance 10pm – 7am | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|--------------|
| October 11 - 17 | 10/11 | 10/12 | 10/13 | 10/14 | 10/15 | 10/16 | 10/17 | Weekly Total |
| RWY 11 Arrivals | 11 | 8 | 5 | 9 | 8 | 6 | 0 | 47 |
| RWY 29 Departures | 6 | 7 | 7 | 7 | 0 | 6 | 6 | 39 |
| Total RWY Operations | 19 | 16 | 19 | 17 | 12 | 12 | 14 | 109 |
| % of Arrivals / Departures to and from west | 89% | 94% | 63% | 94% | 67% | 100% | 43% | 79% |

Noise Data: Harbor Visual Approach

| Harbor Visual Approach Compliance | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| October 11 - 17 | 10/11 | 10/12 | 10/13 | 10/14 | 10/15 | 10/16 | 10/17 | Total |
| Number of Approaches of Eligible Aircraft | 14 | 25 | 9 | 12 | 5 | 3 | 31 | 99 |
| Number of Successful HVA | 10 | 23 | 8 | 10 | 4 | 2 | 21 | 78 |
| Percentage of Successful HVA | 71% | 92% | 89% | 83% | 80% | 67% | 68% | 79% |

* Denotes Partial Day Due to Weather Minimums
** Denotes HVA Unavailable Due to Weather Minimums

Data Represents Jet Aircraft Only

Noise Data: Runway Preference October 2021 (Arrivals)

Runway Preference October 2021 (Provides Data On Effectiveness To Approach From The West)

| Arrivals Over South Portland | | Arrivals Over Portland / West End | | Arrivals Over Peaks Island | | Arrivals Over Little Diamond | | Arrivals Over Falmouth | |
|------------------------------|--------|-----------------------------------|-------|----------------------------|--------|------------------------------|-------|------------------------|-------|
| Arrivals | 270 | Arrivals | 6 | Arrivals | 266 | Arrivals | 39 | Arrivals | 17 |
| % of 11 / 29 Arrivals | 17.32% | % of 11 / 29 Arrivals | 0.38% | % of 11 / 29 Arrivals | 17.06% | % of 11 / 29 Arrivals | 2.50% | % of 11 / 29 Arrivals | 1.09% |

| From West | | From East | | Total Arrivals | |
|-----------------------|-----|-----------------------|-----|-----------------------|------|
| Arrivals | 923 | Arrivals | 636 | Arrivals | 1559 |
| % of 11 / 29 Arrivals | 59% | % of 11 / 29 Arrivals | 41% | % of 11 / 29 Arrivals | 100% |

Runway Preference October 2021 (Noise Sensitive Hours 10pm-7am)

| Arrivals Over South Portland | | Arrivals Over Portland / West End | | Arrivals over Peaks Island | | Arrivals Over Little Diamond | | Arrivals Over Falmouth | |
|------------------------------|--------|-----------------------------------|-------|----------------------------|-------|------------------------------|-------|------------------------|-------|
| Arrivals | 54 | Arrivals | 0 | Arrivals | 0 | Arrivals | 0 | Arrivals | 0 |
| % of 11 / 29 Arrivals | 20.38% | % of 11 / 29 Arrivals | 0.00% | % of 11 / 29 Arrivals | 0.00% | % of 11 / 29 Arrivals | 0.00% | % of 11 / 29 Arrivals | 0.00% |

| From West | | From East | | Total | |
|-----------------------|-----|-----------------------|-----|-----------------------|------|
| Arrivals | 208 | Arrivals | 57 | Arrivals | 265 |
| % of 11 / 29 Arrivals | 78% | % of 11 / 29 Arrivals | 22% | % of 11 / 29 Arrivals | 100% |

Noise Data: Runway Preference October 2021 (Departures)

Runway Preference October 2021 (Provides Data On Effectiveness To Approach From The West)

| Departures Over South Portland | | Departures Over Portland / West End | | Departures Over Peaks Island | | Departures Over Little Diamond | | Departures Over Falmouth | |
|--------------------------------|-------|-------------------------------------|-------|------------------------------|--------|--------------------------------|--------|--------------------------|--------|
| Departures | 80 | Departures | 5 | Departures | 203 | Departures | 163 | Departures | 225 |
| % of 11 / 29 Departures | 5.19% | % of 11 / 29 Departures | 0.32% | % of 11 / 29 Departures | 13.17% | % of 11 / 29 Departures | 10.58% | % of 11 / 29 Arrivals | 14.60% |

| To West | | To East | | Total | |
|-----------------------|-----|-----------------------|-----|-----------------------|------|
| Departures | 815 | Departures | 726 | Departures | 1541 |
| % of 11 / 29 Arrivals | 53% | % of 11 / 29 Arrivals | 47% | % of 11 / 29 Arrivals | 100% |

Runway Preference October 2021 (Noise Sensitive Hours 10pm-7am)

| Departures Over South Portland | | Departures Over Portland / West End | | Departures Over Peaks Island | | Departures Over Little Diamond | | Departures Over Falmouth | |
|--------------------------------|-------|-------------------------------------|-------|------------------------------|--------|--------------------------------|--------|--------------------------|-------|
| Departures | 9 | Departures | 1 | Departures | 24 | Departures | 18 | Departures | 17 |
| % of 11 / 29 Departures | 3.95% | % of 11 / 29 Departures | 0.57% | % of 11 / 29 Departures | 13.64% | % of 11 / 29 Departures | 10.23% | % of 11 / 29 Arrivals | 9.66% |

| To West | | To East | | Total | |
|-------------------------|-----|-------------------------|-----|-------------------------|------|
| Departures | 130 | Departures | 46 | Departures | 176 |
| % of 11 / 29 Departures | 74% | % of 11 / 29 Departures | 26% | % of 11 / 29 Departures | 100% |

RWY 11 Departures October 2021 (Early North / South)

| Departures Over West End (Early North) | | Departures over South Portland (Early South) | |
|--|-------|--|-------|
| Departures | 5 | Departures | 22 |
| % of 11 Departures | 0.69% | % of 11 Departures | 3.03% |

| To West | | To East | | Total | |
|-------------------------|-----|-------------------------|-----|-------------------------|------|
| Departures | 815 | Departures | 726 | Arrivals | 1541 |
| % of 11 / 29 Departures | 53% | % of 11 / 29 Departures | 47% | % of 11 / 29 Departures | 100% |

Data Shown Represents Jet Aircraft Only

Departures over West End / Early North Reasoning

1. 10/8, 7:50pm, Private Jet: ATC advised turn heading 060 on departure due to conflicting traffic in the area.
2. 10/11, 6:28pm, Private Jet: ATC advised turn heading 320 due to helicopter conflicting with route.
3. 10/15, 7:18am, Delta 5091: Filed HSKEL 3 RNAV departure, overflow Western Promenade
4. 10/15, 3:56pm, Private Jet: Filed HSKEL 3 RNAV departure, overflow Western Promenade.
5. 10/20, 4:09pm, American 6227: ATC advised turn heading 320 on departure due to conflicting traffic in the area.