

Project Name: NorthConnect
 Project Number: CB31
 Client Name: NorthConnect E3
 Location: Northern North Sea

Estimated Rock Placement Volumes (Per Cable)

FOR INFORMATION ONLY



NOTE: No losses of material are accounted for when jet trenching, whereas complete backfill with placed rock is accounted for when pre-piling.

| Assessed Length | Rock intended to be placed within protection envelope | | TOTALS PER CABLE | | Conformity / Overweight Factor 5* | |
|--|---|-------|------------------|--|-----------------------------------|-------|
| | m³ | m³ | MATERIAL | 1.5 times assessed volume (see page 9) | | |
| Full Route - Option 1 - Jetting | 3280 | 0 | 3280 | 2019 | 62947 | 60.04 |
| Full Route - Option 2 - Jetting with Pre-bay pre-piling (K7, K23, K7, K7) | 10905 | 24820 | 35727 | 27112 | 62299 | 67219 |
| EP70 to 120kV break - Option 1 - Jetting | 29369 | 0 | 29369 | 864 | 24033 | 34664 |
| EP70 to 120kV break - Option 2 - Jetting + pre-bay pre-piling (K7, K23, K7, K7) | 2229 | 24020 | 26249 | 864 | 27385 | 38337 |
| EP70 to UK 220kV break - Option 1 - Jetting | 26214 | 0 | 26214 | 864 | 33078 | 46309 |
| EP70 to UK 220kV break - Option 2 - Jetting + pre-bay pre-piling (K7, K23, K7, K7) | 3284 | 24020 | 27304 | 864 | 34420 | 48202 |
| EP710 to EP 330 - Option 1 - Jetting | 26214 | 0 | 26214 | 1259 | 34923 | 54272 |
| EP710 to EP 330 - Option 2 - Jetting + pre-bay pre-piling (K7, K23, K7, K7) | 3284 | 24020 | 27304 | 1259 | 40273 | 54383 |
| EP 330 to EP 44.66 - Jetting | 7420 | 0 | 7420 | 1443 | 2304 | 3063 |

*The Global Factor of Safety has been applied to account for uncertainty in the method of rock placement operations. It is also consistent with the corresponding Factor that might be applied to a typical rock placement operation.

| Length of release burst (m) | | | | | |
|-----------------------------|---|----------|---|----------|---|
| Release burst type | Layer 1 (0.5m dispersion above sea bed) | % length | Layer 2 (0.5m dispersion above sea bed) | % length | Layer 3 (0.5m dispersion above sea bed) |
| | | | | | |
| Minimum backfill | 0.0205 | 0.20 | 0.0205 | 0.20 | 0.0205 |
| Maximum backfill | 0.0205 | 2.25 | 0.0205 | 2.25 | 0.0205 |
| Jet backfill | 0.045 | 4.5 | 0.045 | 4.5 | 0.045 |

| EPN | EP Post | EP To | Protection Level (PEL) | Release Dec. in % of product in seabed | Target backfill depth (m) | Depth of placed rock (m) | Boulders in section (length, ton) | | | Details of Bouldered Rock Placement - Jet Trenching | | | | | | | | | | Details of Bouldered Rock Placement - Pre-bay pre-piling (K7, K23, K7, K7) | | | | Pre-bay Pre-piling - Bench Backfill Levels | | | | | | | | | | | | |
|---|-------------|---------------|------------------------|--|---------------------------|--------------------------|-----------------------------------|----------|--------------|---|--------------------------------------|------------------------------------|------------------------|------------------|-----------------------|------------------------|------------------|-----------------------|------------------------|--|--------------------------------------|---------------------------------------|------------------------|--|-----------------------|------------------------|------------------|--------------------------------------|---|---|---|--|-------------|-------------|-------------|-------------|
| | | | | | | | Occasional | Numerous | High Density | Note | Conceptual (5.0m) boulder height (m) | Length where boulder placement (m) | Height of material (m) | Rock volume (m³) | Length of boulder (m) | Height of material (m) | Rock volume (m³) | Length of boulder (m) | Height of material (m) | Rock volume (m³) | Total boulder volume in section (m³) | Length where no boulder placement (m) | Height of material (m) | Rock volume (m³) | Length of boulder (m) | Height of material (m) | Rock volume (m³) | Total boulder volume in section (m³) | Volume rock required to backfill to level of bench (m³) | Volume of Backfill to be placed in bench (m³) | Volume of Backfill to be placed in bench (m³) | Total estimated backfill for pre-bay pre-piling (m³) | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Volume (m³) | Volume (m³) | Volume (m³) | Volume (m³) |
| EP120A (Pre-bay pre-piling suggested for protection use EP 305 EP 13 (D)) | 14200-14250 | A | 0 | 1.0 | 1.5 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14250-14300 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.45 | 0.027 | 0.255 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14300-14350 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.43 | 0.026 | 0.247 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14350-14400 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.41 | 0.025 | 0.240 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14400-14450 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.39 | 0.024 | 0.232 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14450-14500 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.37 | 0.023 | 0.224 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14500-14550 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.35 | 0.022 | 0.216 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14550-14600 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.33 | 0.021 | 0.208 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14600-14650 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.31 | 0.020 | 0.200 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14650-14700 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.29 | 0.019 | 0.192 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14700-14750 | C | 0.0 | 1.0 | 1.0 | 0.8 | 0.27 | 0.018 | 0.184 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EP20 | 17200 (120kV) | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.025 | 1 | 48 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | |
| 30300 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.126 | 1 | 328 | 0.126 | 0.5 | 93 | 0.126 | 0.2 | 13 | 488 | | | | | | | | | | | | | | | | |
| 44300 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 46700 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 49100 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 51500 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 53900 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 56300 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 58700 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 61100 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 63500 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 65900 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 68300 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 70700 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 73100 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 75500 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 77900 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 80300 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 82700 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 85100 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 87500 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 89900 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 92300 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 94700 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 97100 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 99500 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 101900 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 104300 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 106700 | | C | 1 | 1.2 | 0.8 | | 1.000 | | | 3 | 0.026 | 1 | 49 | 0.023 | 0.5 | 17 | 0.023 | 0.2 | 3 | 87 | | | | | | | | | | | | | | | | |
| 109100 | | C | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Project Name: NorthConnect
Project Number: CB31
Client Name: NorthConnect ES
Location: Northam North Sea



Crossing pre-lay and post-lay rock volume calculations.

| Crossing design ¹ | A | B | C/D 1 | C/D 2 | C/D 3 |
|--|------|-----|-------|-------|-------|
| Protection Level | A | B | C | D | E |
| Roll over cable water track | A | C | B | D | E |
| Total length of rock placement. (No trenching within 50m + 10:1 gradient berms over grade-pipelines). | 210 | 100 | 210 | 210 | 210 |
| Rock placement length (m) | 210 | 100 | 210 | 210 | 210 |
| Height of full-height pre-lay berm over infrastructure (Separation from pipelines < 50m + joint diameter otherwise, 0.5m for pipes, 0.2m for cables) (m). Assume top of buried pipes is at seabed. | 1 | 0.5 | 0 | 0 | 0 |
| Estimated total length of full-height berm over infrastructure (m) | 4 | 4 | 0 | 0 | 0 |
| Width of flat-top (m) | 4 | 4 | 0 | 0 | 0 |
| Estimated volume (m ³) | 16 | 8 | 0 | 0 | 0 |
| Volume full height berms (m ³) | 24 | 12 | 0 | 0 | 0 |
| Total length of wedge-shaped berms each side of infrastructure (assuming 1:10 gradient of berms suitable to reduce height to 0m) (m) | 24 | 12 | 0 | 0 | 0 |
| Volume of wedge-shaped transition berms (m ³) | 16 | 8 | 0 | 0 | 0 |
| Cover reinforcement (m) | 0.8 | 0.8 | 0.8 | 0.8 | 1.3 |
| Height of complete full-height berm over infrastructure (Allowing for segregation, cover and 1.2m allowance for HDPE embedment) (m) | 2 | 1.5 | 0.8 | 1 | 1.5 |
| Estimated total length of full-height berm over infrastructure (m) | 4 | 4 | 4 | 4 | 4 |
| Width of flat-top (m) | 4 | 4 | 1 | 1 | 1 |
| Estimated volume (m ³) | 7.2 | 7.2 | 7.2 | 7.2 | 12.3 |
| Volume full-height berms (pre-lay to be subtracted from total at end of calculation) (m ³) | 16 | 8 | 0 | 0 | 0 |
| Total length of wedge-shaped berms to reduce height from full height to seabed level (berms in two stages of equal length, with flat berms in between), assuming 1:10 gradient in both cases, (m) | 40 | 40 | 40 | 40 | 40 |
| Volume of wedge-shaped transition berms (both stages) (pre-lay to be subtracted from total at end of calculation) (m ³) | 17.7 | 7.7 | 7.7 | 7.7 | 12.9 |
| Length of section of full-height berms over seabed (m) (m) | 76 | 66 | 66 | 66 | 66 |
| Volume of berms (post-lay) over seabed (m ³) | 3 | 2 | 0.8 | 1 | 1.5 |
| Volume of final rock height (m ³) | 265 | 103 | 148 | 138 | 454 |
| POST-LAY volume (m ³) | 495 | 184 | 157 | 177 | 793 |
| TOTAL (m ³) (Pre-lay + POST-LAY, no overburdening/contingency factor applied) | 859 | 378 | 367 | 387 | 1247 |

Notes:
1. Height of rock cover over the cable has been applied according to the local protection level using table 4.2.2 of Appendix ES1.01: Design Basis - Cable and Pipeline Crossings.
2. It has been assumed that for crossing surface laid cables (Design D), the thickness of the existing infrastructure will be negligible and pre-lay rock will not be used, thus the volume will be as for design C.

Crossing list with Volumes

| RP ID - Baseline - Surface laid | Design (A,B,C,D) | Protection Level | Dist. of rock (m) | Pre-lay Volume (m ³) (Theoretical) | Post-lay Volume (m ³) (Theoretical) | Total Volume (m ³) (Theoretical) | Note |
|---|------------------|------------------|-------------------|--|---|--|---|
| 111064 8 Active cable 18 conductor ² | D | C | 0.8 | 0 | 377 | 377 | If pre-trench ploughing utilized in this area, length of pre-trench ploughing will depend on agreement with coastline owner |
| 112028 8 Active pipeline | A | C | 0.8 | 81 | 626 | 707 | |
| 61028 8 Active pipeline | A | C | 0.8 | 81 | 584 | 665 | |
| 61028 8 Active pipeline | A | C | 0.8 | 25 | 584 | 609 | |
| 117347 8 Group 4 Active pipeline | B | C | 0.8 | 25 | 384 | 409 | Expect reduced volume across grouped pipelines. |
| 117350 12 core cross-overbackhaul | B | C | 0.8 | 25 | 384 | 409 | |
| 117448 8 Active pipeline | A | C | 0.8 | 25 | 384 | 409 | |
| 143109 2 Active pipeline | A | C | 0.8 | 25 | 384 | 409 | |
| 141288 8 Active pipeline | B | C | 0.8 | 25 | 384 | 409 | Expect reduced volume across grouped pipelines. |
| 142430 8 Group 5 Offshore pipelines | D | C | 0.8 | 81 | 377 | 458 | |
| 142464 8 Active pipeline | A | C | 0.8 | 25 | 384 | 409 | Expect reduced volume across grouped pipelines. |
| 142499 8 Active pipeline | A | C | 0.8 | 25 | 384 | 409 | |
| 142526 8 12 sites in same location | B | C | 0.8 | 25 | 384 | 409 | |
| 156395 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 157013 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 151410 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 151410 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 151410 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246201 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246210 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246219 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246228 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246237 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246246 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246255 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246264 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246273 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246282 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246291 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246300 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246309 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246318 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246327 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246336 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246345 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246354 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246363 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246372 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246381 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246390 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246399 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246408 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246417 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246426 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246435 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246444 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246453 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246462 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246471 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246480 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246489 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246498 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246507 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246516 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246525 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246534 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246543 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246552 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246561 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246570 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246579 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246588 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246597 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246606 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246615 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246624 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246633 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246642 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246651 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246660 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246669 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246678 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246687 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246696 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246705 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246714 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246723 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246732 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246741 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246750 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246759 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246768 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246777 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246786 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246795 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246804 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246813 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246822 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246831 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246840 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246849 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246858 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246867 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246876 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246885 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246894 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246903 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246912 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246921 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246930 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246939 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246948 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246957 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246966 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246975 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246984 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 246993 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247002 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247011 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247020 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247029 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247038 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247047 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247056 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247065 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247074 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247083 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247092 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247101 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247110 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247119 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247128 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247137 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247146 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247155 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247164 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247173 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247182 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247191 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247200 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247209 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247218 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247227 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247236 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247245 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247254 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247263 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247272 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247281 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247290 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247299 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247308 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247317 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247326 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247335 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247344 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247353 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247362 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247371 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247380 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247389 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247398 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247407 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247416 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247425 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247434 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247443 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247452 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247461 8 Active pipeline | A | C | 0.8 | 81 | 405 | 487 | |
| 247470 8 Active pipeline | A | C | 0.8 | 81 | 405 | 48 | |