



MATRIX MARKETS NOTICE TO PARTICIPANTS

Subject(s): December 2017 Auction

Effective: December 5th, 2017

Supersedes

Notice Dated:

Auction Results

On behalf of LOOP, Matrix Markets hereby announces the following contract months and quantities were sold by LOOP at the **December 5, 2017** Auction.

| Contract Month | Futures | Price (per bbl) | PFA | Price (per bbl) | Total |
|---------------------|--------------|-----------------|--------------|-----------------|--------------|
| Jan-18 | | | 1,225 | \$ 0.05 | 1,225 |
| Feb-18 | | | 300 | \$ 0.05 | 300 |
| Mar-18 | | | 300 | \$ 0.05 | 300 |
| 2Q 2018 (Per Month) | 770 | \$ 0.06 | 800 | \$ 0.05 | 4,710 |
| 3Q 2018 (Per Month) | 400 | \$ 0.05 | | | 1,200 |
| 4Q 2018 (Per Month) | 100 | \$ 0.06 | | | 300 |
| Total Volume | 3,810 | | 4,225 | | 8,035 |