

FTR Manager

Monthly Report | August 2020

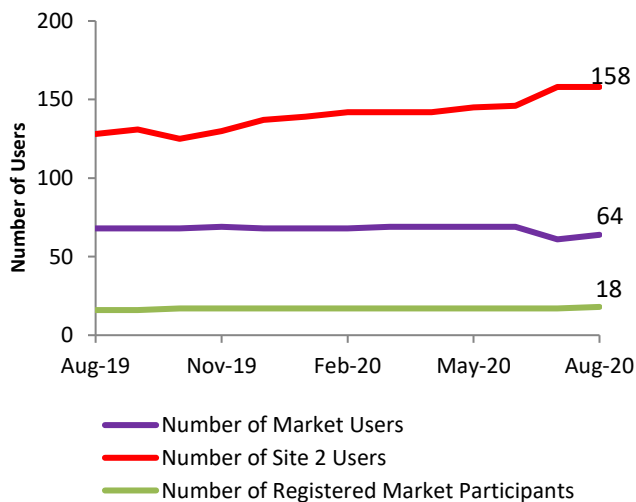
The key activities were performed by the FTR manager in accordance with the specific requirements in the FTR Manager Service Provider Agreement (the 'SPA') and the Allocation Plan 2018

Key Events

- Pioneer Energy Limited (PION) registered for trading FTRs in August 2020.
- The FTRM hosted a FUG Meeting #29. The publication of bid information, FTR Swing bus options, EA consultation for removal of Schedule 14.3, MOI/MUI system upgrade and FTR grid file changes were discussed.
- A network issue occurred resulting in degraded performance during the August Variation auction. The auction bid-window was extended to 1700 to allow affected participants to submit their bids. The root cause is under investigation.

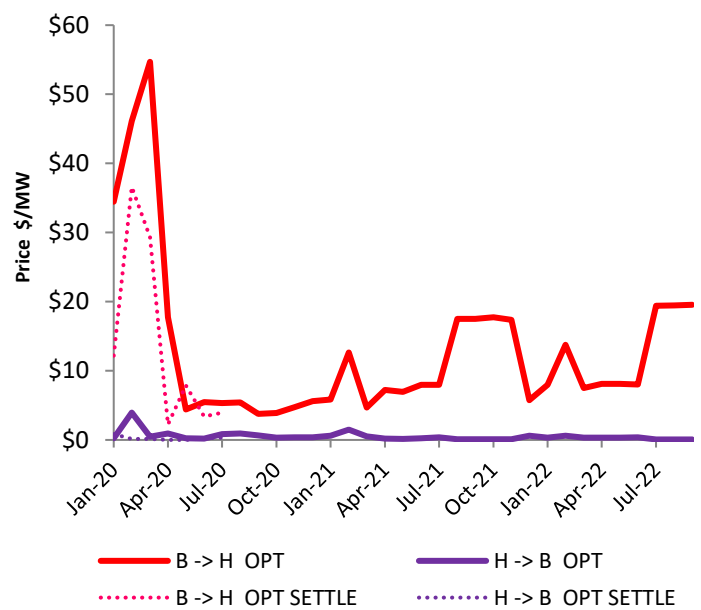
1.1. FTR Participants

The graph below indicates the number of Market Participants and the number of unique users in the participant organisations in the last 12 months.



1.2. Latest Clearing and Settlement Prices at

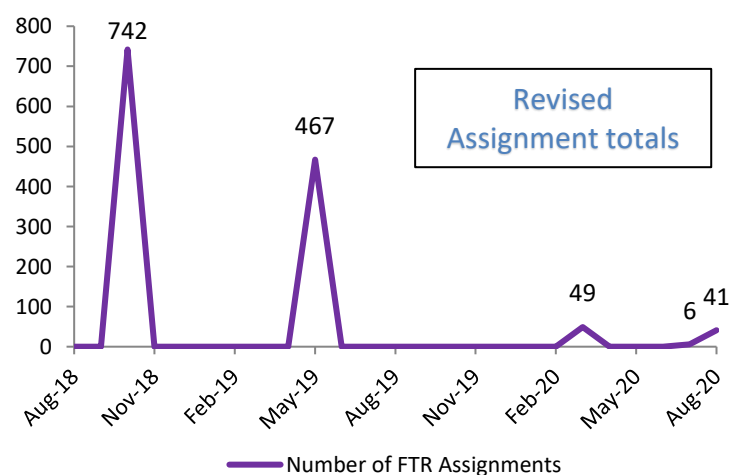
BEN<>HAY | 2020-> 2022



2. FTR Assignments

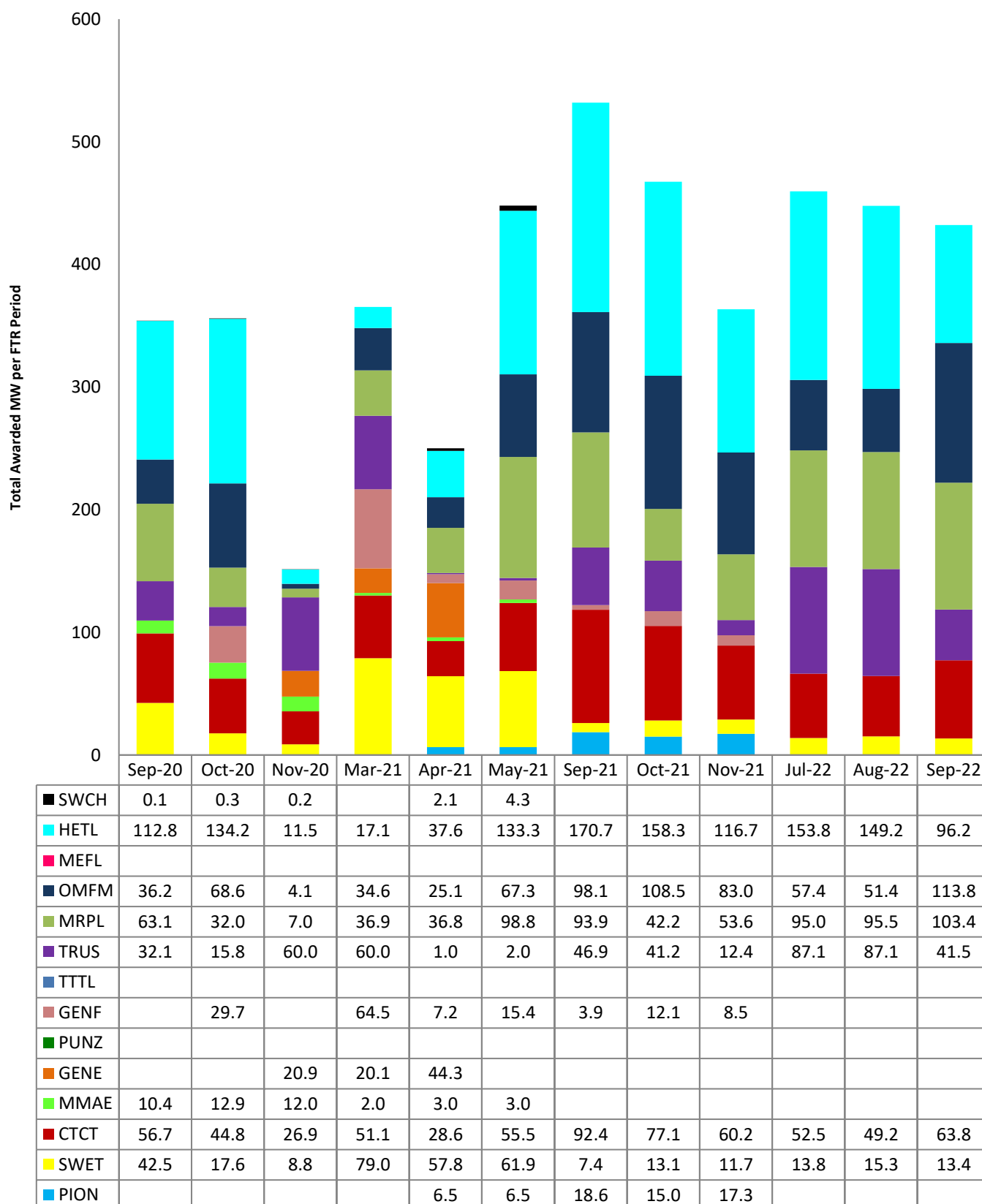
2.1. Assignments Traded

The graph below indicates the number of assignment trades over the last 24-month period.



3. FTR Auction Results

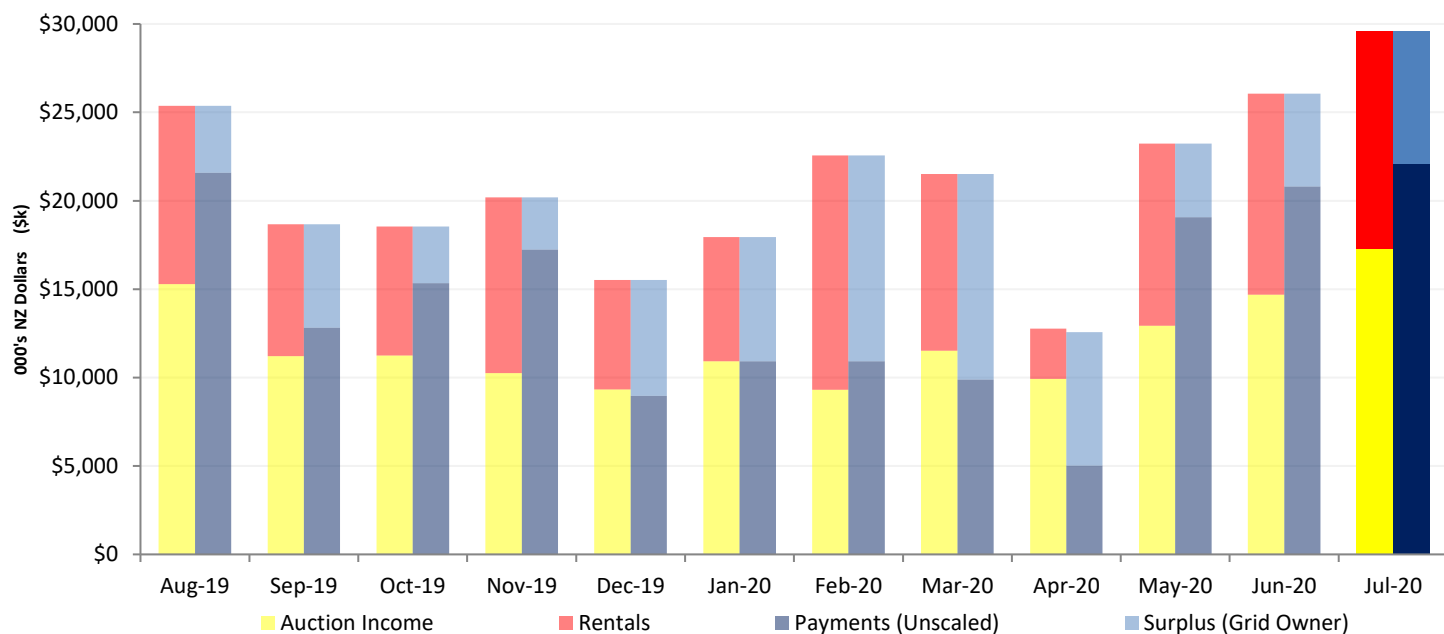
There were 112 FTR products available in August 2020. These were a combination of the OTA, WKM, RDF, HAY, KIK, ISL, BEN & INV hubs (obligation and optional products). These FTR products were awarded as indicated below. A detailed summary of every awarded FTR can be found on the FTR register (www.ftr.co.nz/register).



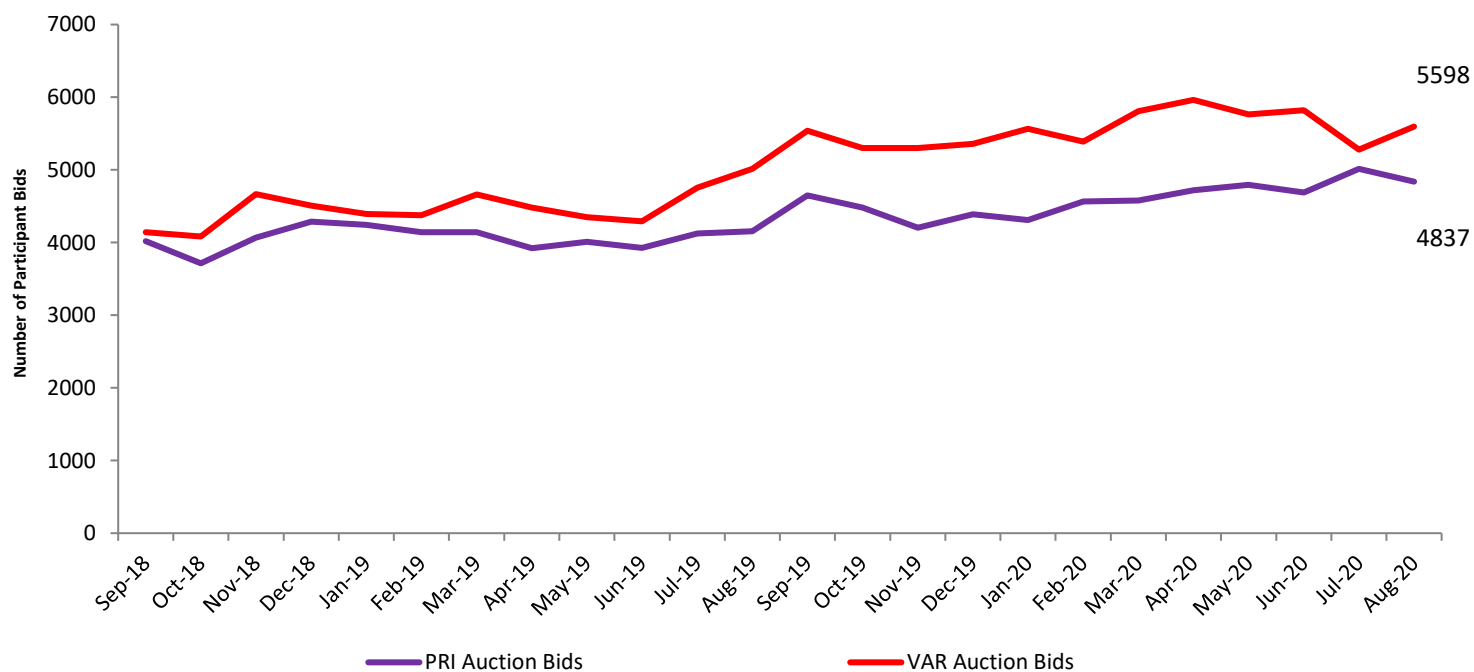
3.1. Revenue Adequacy | Previous 12 months

Period	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
Revenue Adequate	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Adequacy Factor	1.18	1.46	1.21	1.17	1.73	1.64	2.06	2.18	2.5	1.22	1.25	1.34
12 Month Average	99.75%	99.75%	99.75%	99.75%	99.75%	100%	100%	100%	100%	100%	100%	100%

3.2. FTR Monthly Account | Previous 12 Months



3.3. Bids per Auction | Previous 24 Months



4. Service Provider Performance

4.1. EMS FTR Manager Performance

Allocation System Performance	Metric	Status
All sampled transactions must have a response time of less than 30 seconds	Achieved - Average 3.44 seconds <u>over the internet</u>	✓
Number of transactions with response time greater than 30 seconds	0	
99% of all sampled transactions must have a response time of less than 4 seconds	Achieved	✓
95% of all sampled transactions must have a response time of less than 2 seconds	Achieved	✓
The System must upload any one bid portfolio in less than 30 seconds	Achieved	✓
System Availability (must not be unavailable for >90 mins per month)	100% - Note: the degraded performance on 19-AUG was not logged as unavailable	✓
Average concurrent (simultaneous) sessions across month:	0.0628	✓
Max (non-concurrent) sessions in a single hour	25	✓
Record number and details of service provider breaches	0	✓
Record number and details of participant breaches	0	✓
System back-up requirements met (daily by 07:30)	Achieved	✓
Successful System DR test within the previous 6 months	Achieved – 18-22 MAY 2020	✓

4.2. Browser Access for AUGUST 2020

