

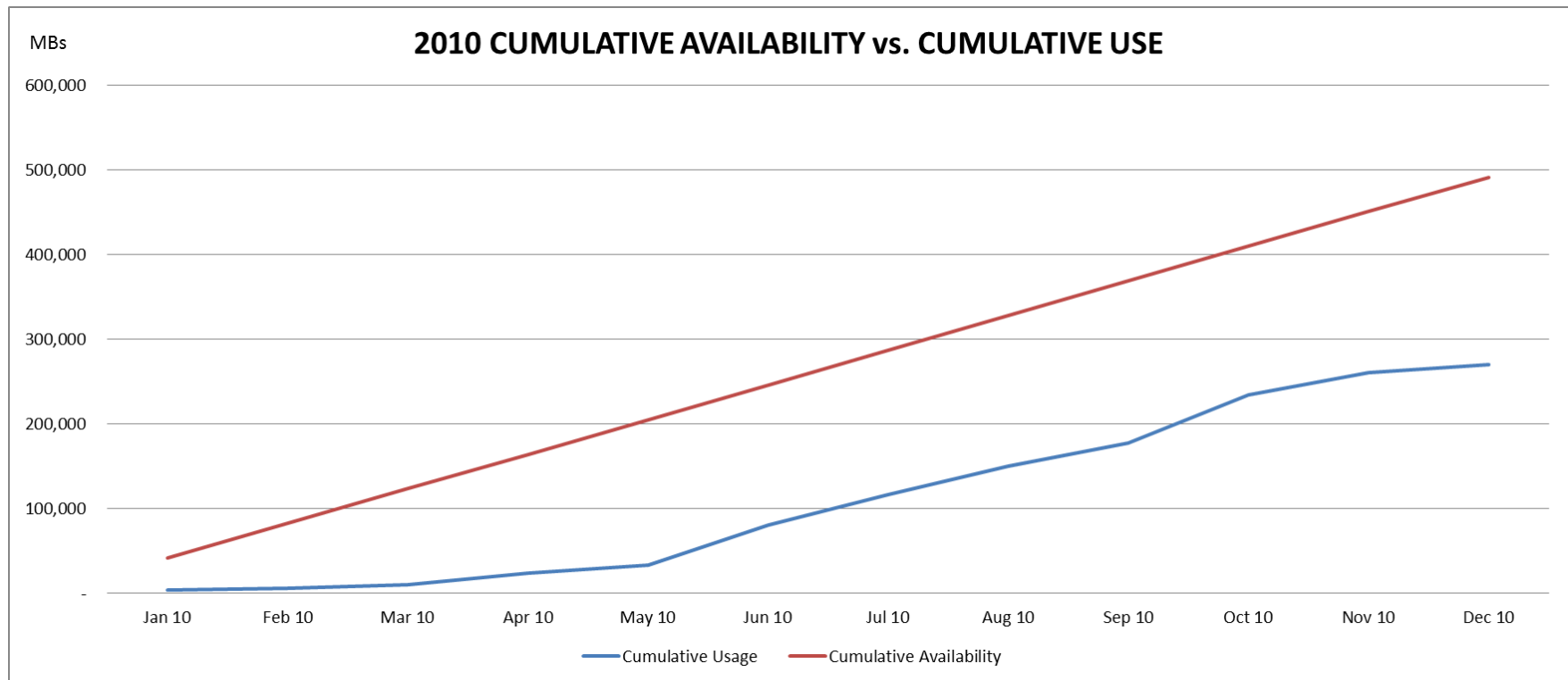
2012 – 2013 FBB Program

- Upgraded FBB Program to 102,400 MB per Month in November 2011**
- Current rate is \$0.93 per MB**
- 27 Systems currently in Use**
- Added Several Ship Systems in 2012 & OOI Systems & Sikuliaq being added in 2013**
- SOPs and tools to Manage use continue to be developed, ShipSat, Daily Limits, etc.**

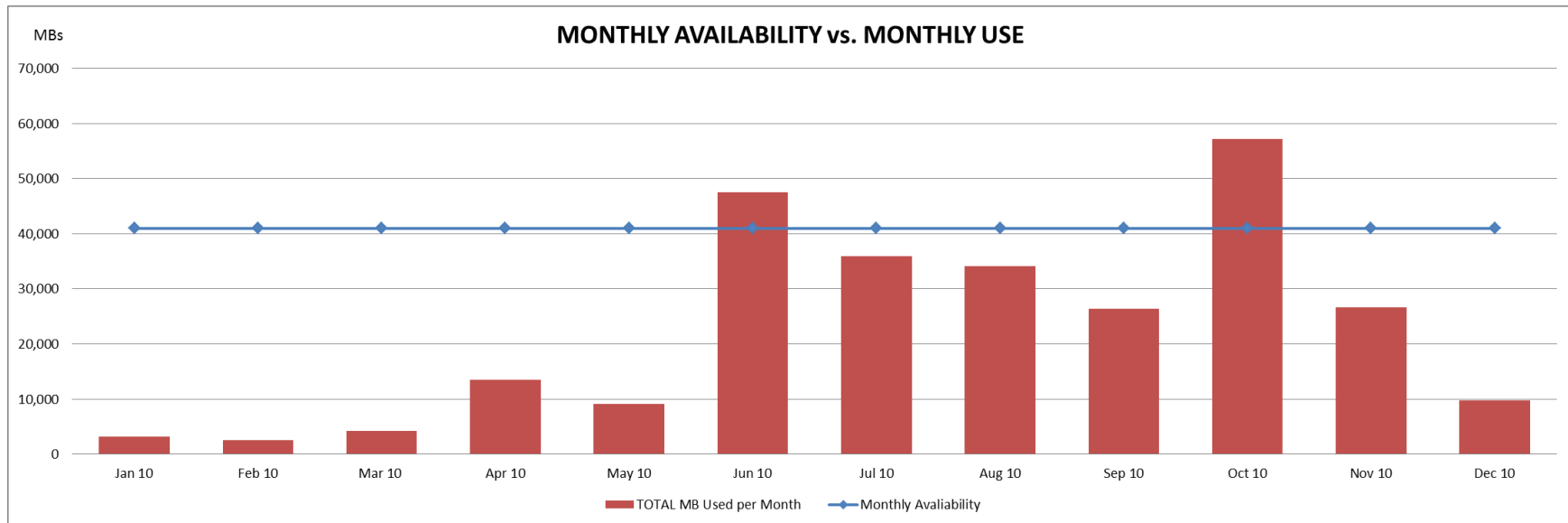
FUTURE SAT COMMS SYSTEMS

- INMARSAT Preparing GlobalXpress;
 - Near Global (FBB Comparable) Coverage
 - Combination of Ka and L (FBB) bands
 - 2 Antennas Ka antenna approximate size of FBB
 - Speeds to 50 Mbps
 - Late 2014 to early 2015 implementation
- RVTEC Subcommittee looking at bandwidth and speed needs for the future

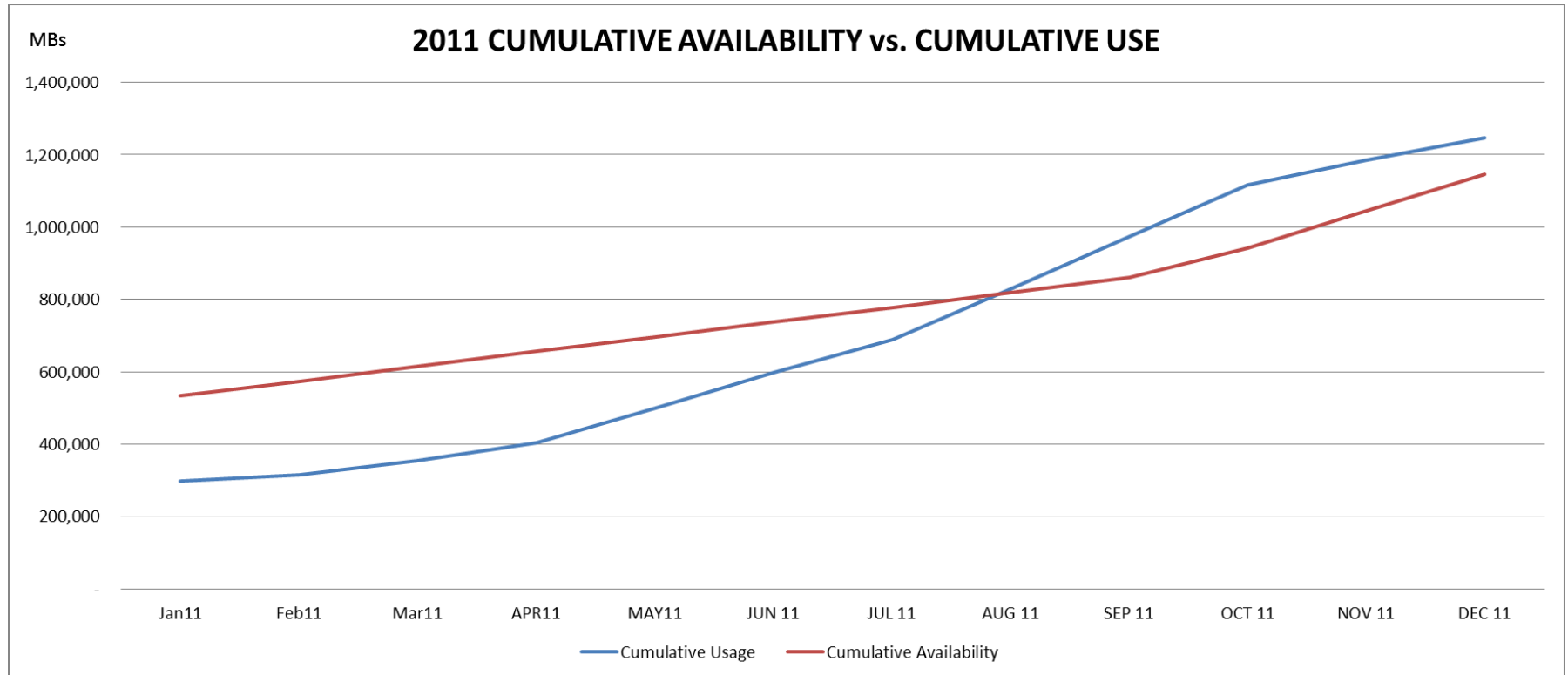
2010 Cumulative FBB Supply - Demand



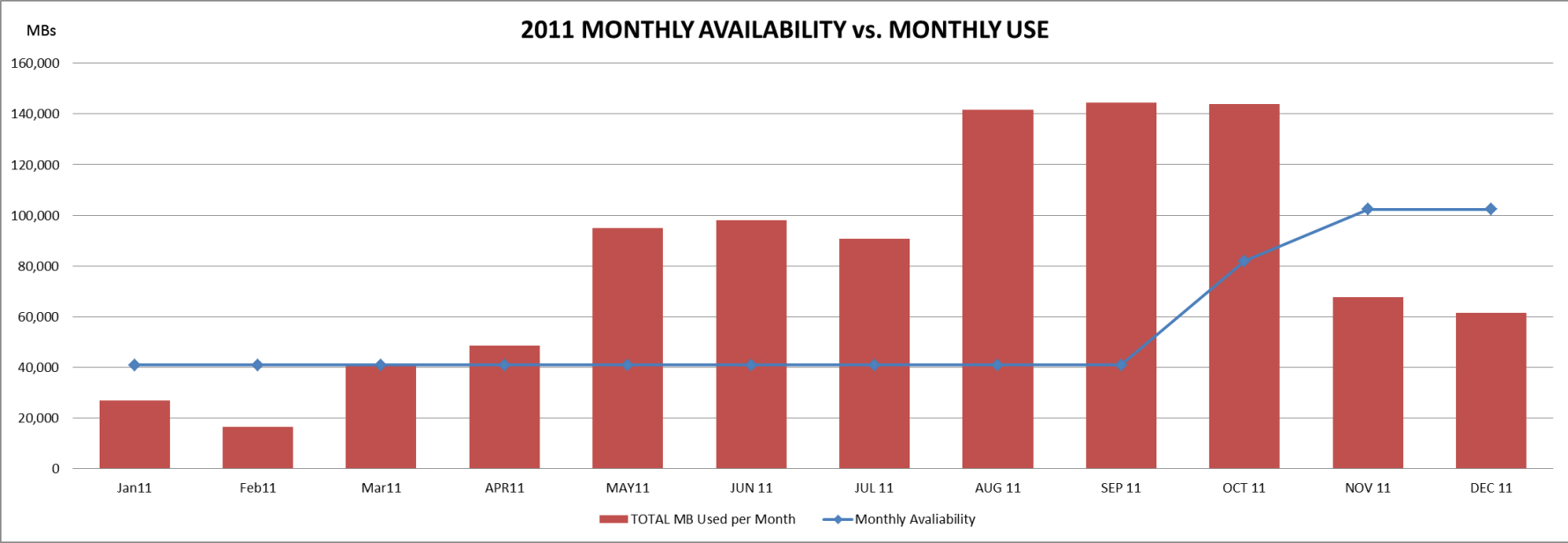
2010 Monthly FBB Supply - Demand



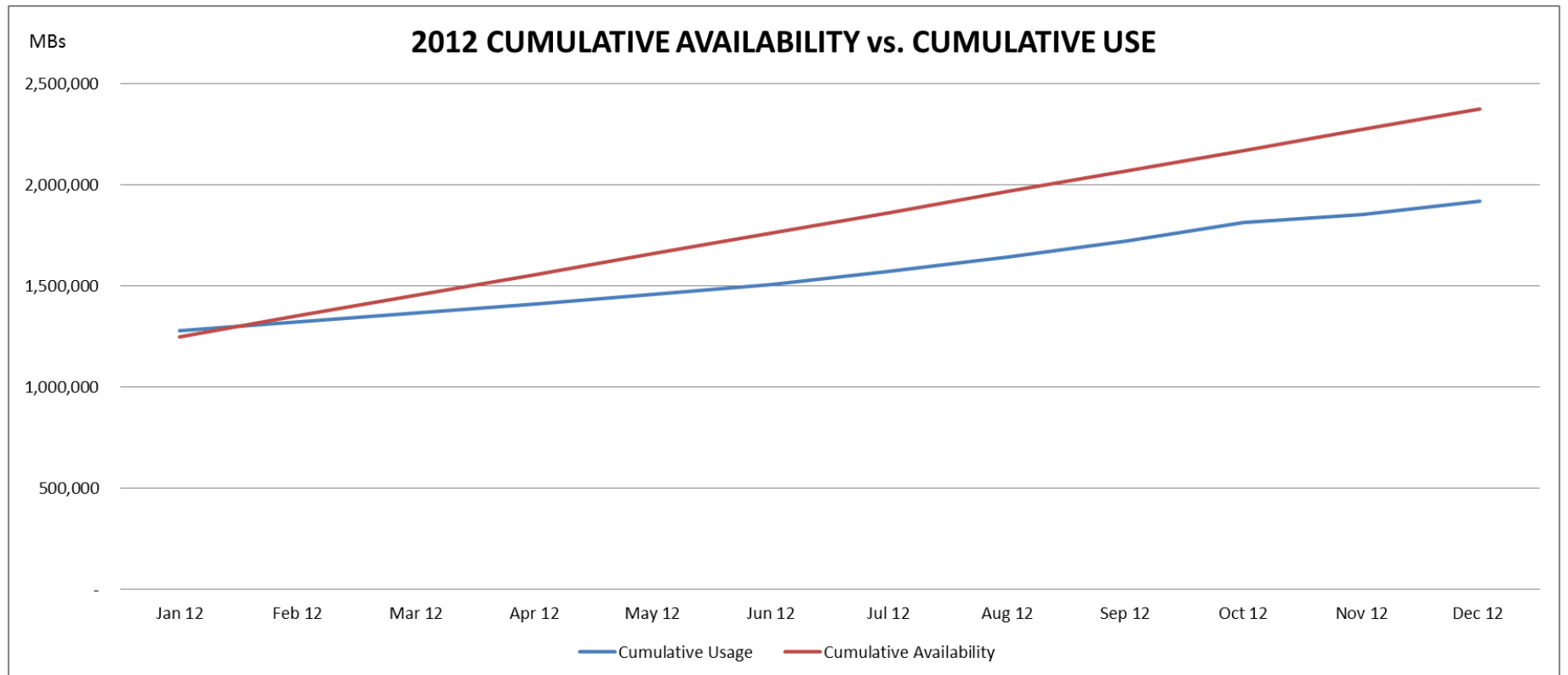
2011 Cumulative FBB Supply - Demand



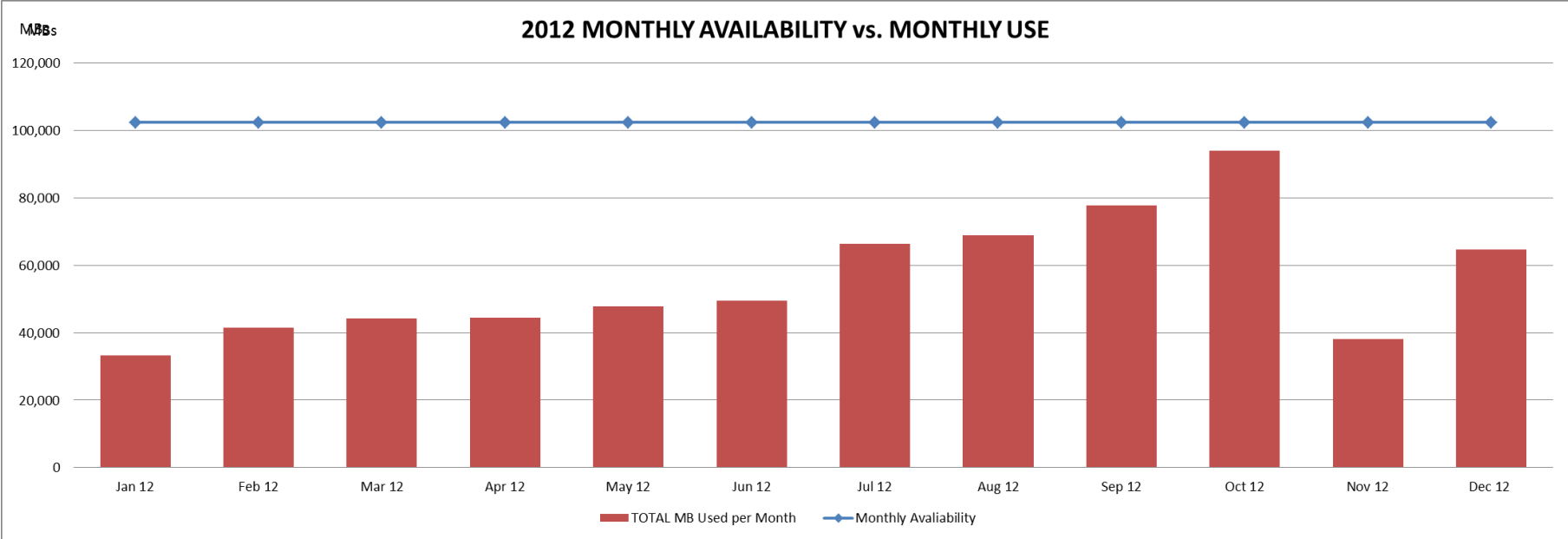
2011 Monthly FBB Supply – Demand



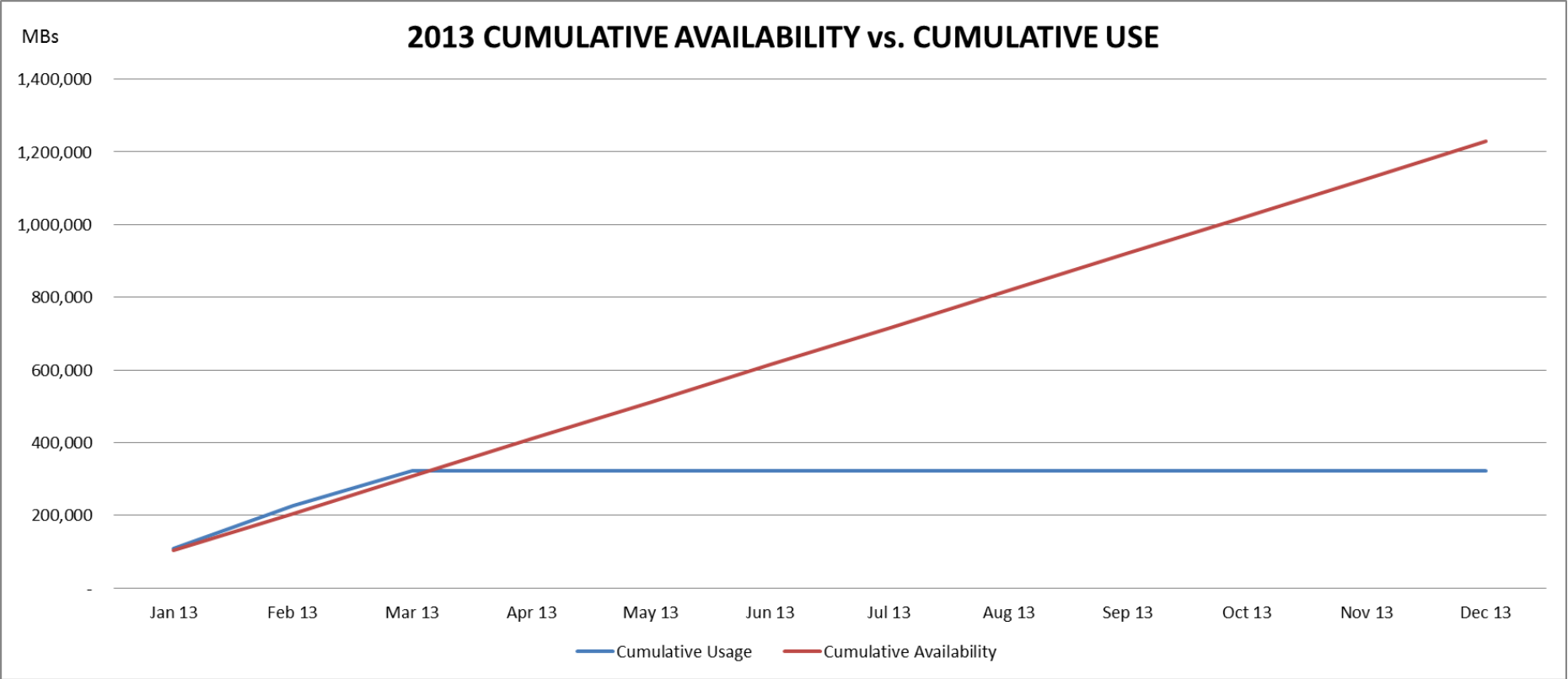
2012 Cumulative FBB Supply - Demand



2012 Monthly FBB Supply – Demand



2013 Cumulative FBB Supply - Demand



2013 Monthly FBB Supply – Demand

