Infrastructure - Bug #8640

Story # 8639 (New): Replication performance is too slow to service demand

Replication includes "down" nodes as replication targets

2018-07-04 11:29 - Dave Vieglais

Status:	New		**Start date:**	2018-07-04
Priority:	Normal		**Due date:**	
Assignee:	Chris Jones		**% Done:**	0%
Category:	d1_replication		**Estimated time:**	0.00 hour
Target version:				
Milestone:	None		**Story Points:**	
Product Version:	*			

Description

The call sequence to get the list of target nodes is roughly:

```
ReplicationManager.processPid()
ReplicationManager.getPotentialTargetNodes()
ReplicationManager.getNodeReferences()
NodeRegistryServiceImpl.listNodes()
NodeFacade.getApprovedNodeList()
NodeAccess.getApprovedNodeList()
```

It does not appear that the up/down status of a node is examined. Seems the appropriate place to do this would be in ReplicationManager.getPotentialTargetNodes() as this is where previous attempts are examined and the node rejected if too many failures are reported in a time period. Having a check for node up/down status here is logical.