Rsync Delay vs. # RPKI Objects

- Table below shows sensitivity of total rsync delay w.r.t. different rsync-delay-per-object measurements that have been cited in the thread on the SIDR WG list
- RPKI RP (gatherer) fetches all RPKI objects on restart (i.e., failure recovery)
- But fetches only a few hundred or a few thousands of RPKI objects during each polling instance in normal operation (i.e., whatever the delta since the previous polling instance)

# RPKI Objects	Input: Rsync delay per object (seconds/object)		
	Estimated by Eric from Randy's NANOG-56 preso	RIPE (best case - cited by Randy on sidr list)	Tim B.'s number (cited on sidr list)
	0.628	0.01	0.02
	Total rsync delay (Hours)		
100	0.0174	0.0003	0.0006
1000	0.1744	0.0028	0.0056
10000	1.744	0.028	0.056
100000	17.44	0.28	0.56
500000	87.22	1.39	2.78
1000000	174.44	2.78	5.56
1492000	260.27	4.14	8.29
1500000	261.67	4.17	8.33
2000000	348.89	5.56	11.11

Eric's estimate   A lot smaller estimates

- Plot of the data in the table on previous slide
- Note: both axes use logarithmic scale