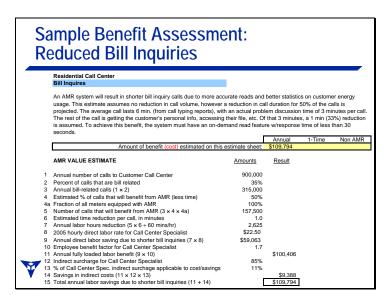


## Sample Benefit Assessment: High Bill Test

Field Metering is budgeting 850 man-hours for 2005 for Meter Technicians to do High-Bill tests when customers question their bills. Some of these can be attributed to estimated reads, miss reads, owner read errors and actual meter reader errors. We expect that with AMR these types of errors will decrease dramatically. We have no data to support our estimate of a 75% reduction, although we think this is a very conservative number. No reduction in equipment or shop time is assumed because these tests are done on-site, using standard equipment that is used for other field operations. No shop time is incurred. Even if a recalibration is necessary, this operation is also done in the field. Consequently, there will be no reduction in equipment, calibration or shop time costs, as a result of the decreased test requests. Any basic AMR system will provide this benefit – no special features are required.

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		Amount of benefit (cost) estimated on this	estimate sheet:	\$33,833		
		AMR VALUE ESTIMATE	Amounts	Result		
1		Current annual manhours for high bill meter tests	850			
2	2	Savings achievable w/ AMR	75%			
3	3	Manhour savings (1 × 2)	638			
4	1	2005 hourly direct labor rate for Meter Technician	\$31.00			
5	5	Direct labor savings (3 × 4)	\$19,763			
e	5	Employee benefit factor for Meter Technician	1.60			
7	7	Savings in loaded labor costs (5 × 6)		\$31,620		
8	3	Indirect surcharge for Meter Technician	70%			
9	9	% of Meter Tech indirect surchage applicable to cost/savings	10%			
1	0	Savings in indirect costs (7 x 8 x 9)		\$2,213		
1	11	Total savings w/100% AMR (7 + 8)		\$33.833		
- 🔻 i		Fraction of all meters equipped with AMR	100%			
		Savings with Displayed AMR system (11 x 12)		\$33,833		



Special Biz Case Considerations						
Meter Strategy						
Depreciation of existing meters – How it matters and how to deal with it.						
Meter technology – Electronic versus induction meters. Pros and cons. Many issues.						
New meters or retrofit – Or some of both.						
Installation challenges – Last look at the customer premises – for a while. Procedures & incentives.						
<u>Realistic data requirements</u> – The implications of over-specification and under-specification.						
Plexus Research Inc.						



