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Are We There Yet? How To Measure Market Transformation (And Count the Savings)

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Market Transformation



Education & Marketing



Creates Awareness



Product Availability



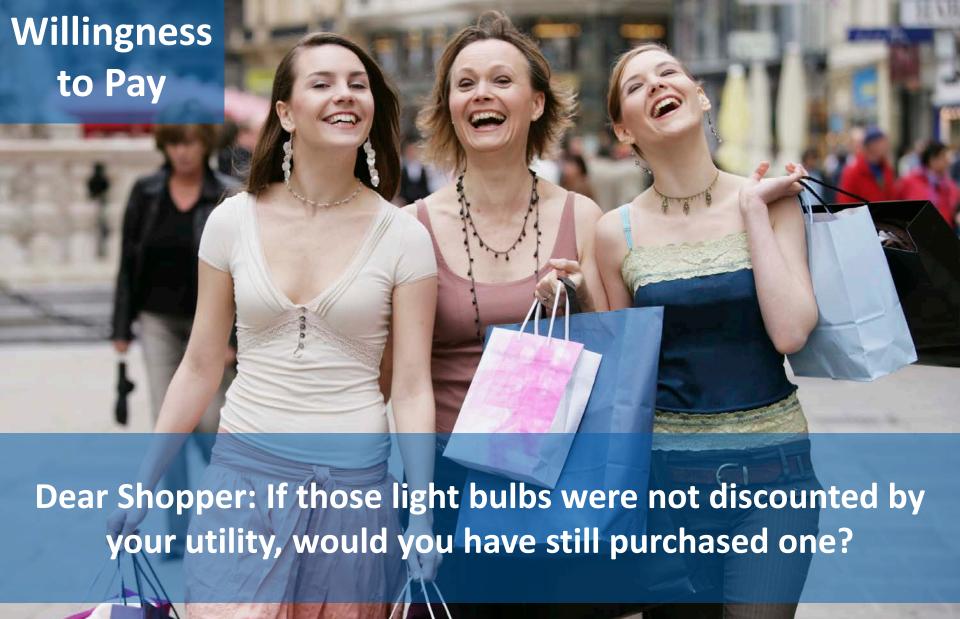


Before

After

Consumer Awareness & Satisfaction





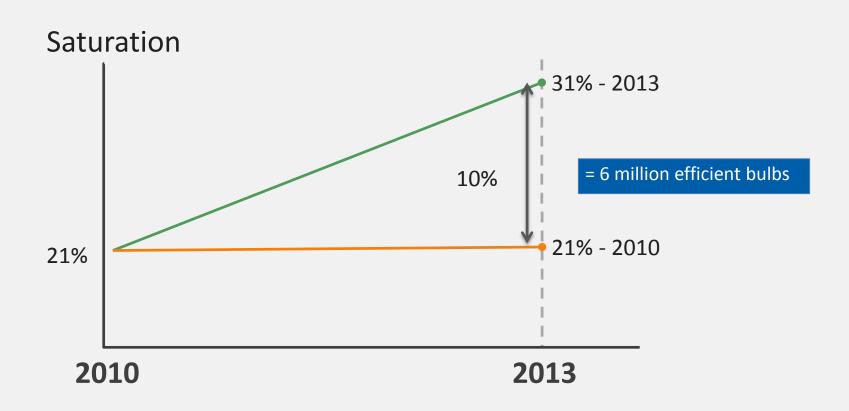


But wait.... if these light bulbs were not stocked at the store, or you had never heard of them, or never used one would you have still purchased one?

How Do You Count The Savings?

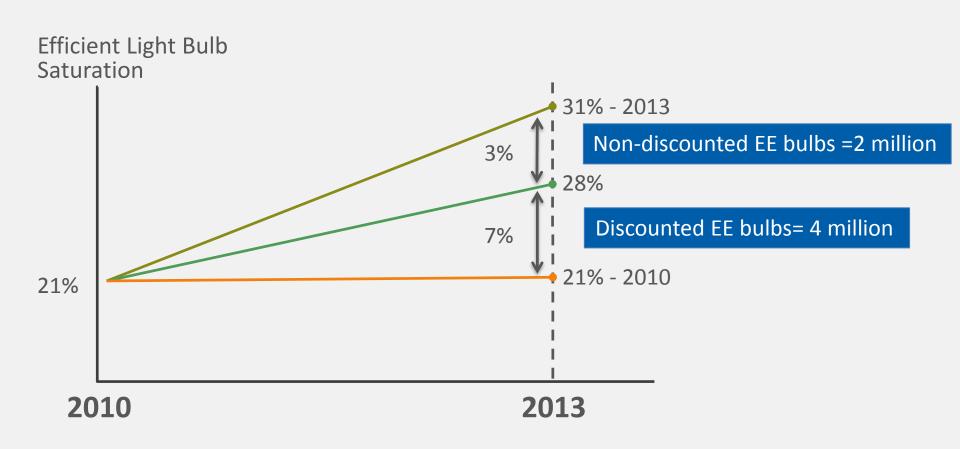


Measure efficient lighting in homes

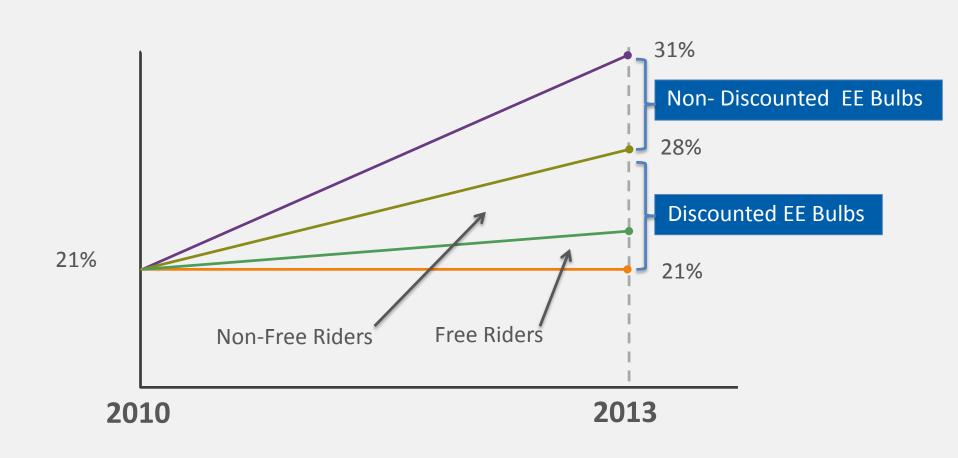




Add in Program Accounting



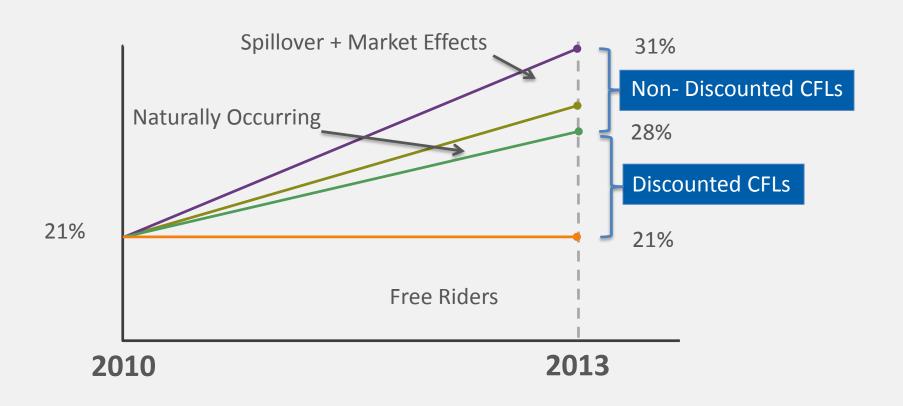
Attribute Program Discounted EE Bulbs



Free riders – would have purchased same light bulb without program discount

Does not result in "program" savings

Proportion Naturally Occurring ≈ Proportion Free ridership



Spillover & Market Effects

- Spillover (Short Term)
 Program Awareness
- Market Effects (Long Term)

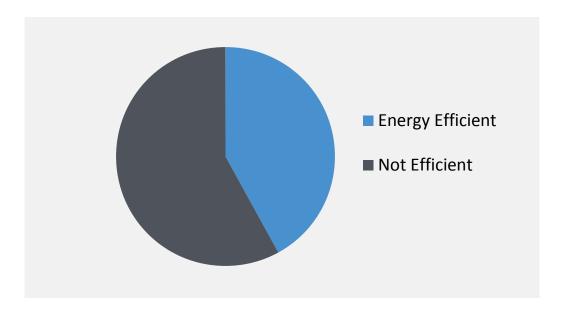
 Market Changes
 - Consumer education
 - Increased program stocking
 - Retailer sales knowledge

Spillover & Market Effects

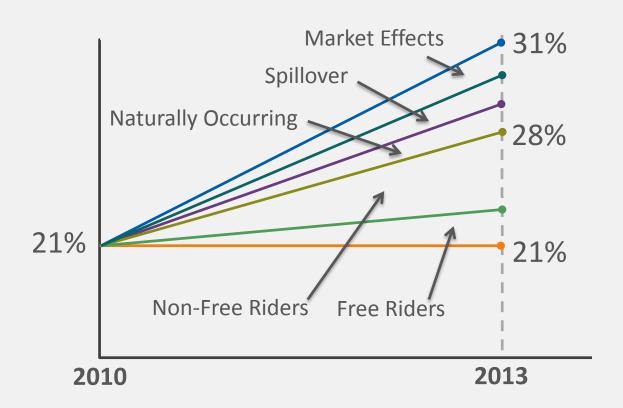
Attribution:

Market Indicator

Energy EfficientBulb Stocking %



Full Attribution



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Attribution





Program Impacts:

4 million bulbs discounted resulted in about 5 million program-induced installations At about 40 kWh each, a total of 200 MWh of electricity saved

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