Smart Meters and Time Varying Rates

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Conservation Services Group







Agenda

- Changing Utility Landscape
- Smart Meters
- Time Varying Rates
- Case Studies



Changing Utility Landscape

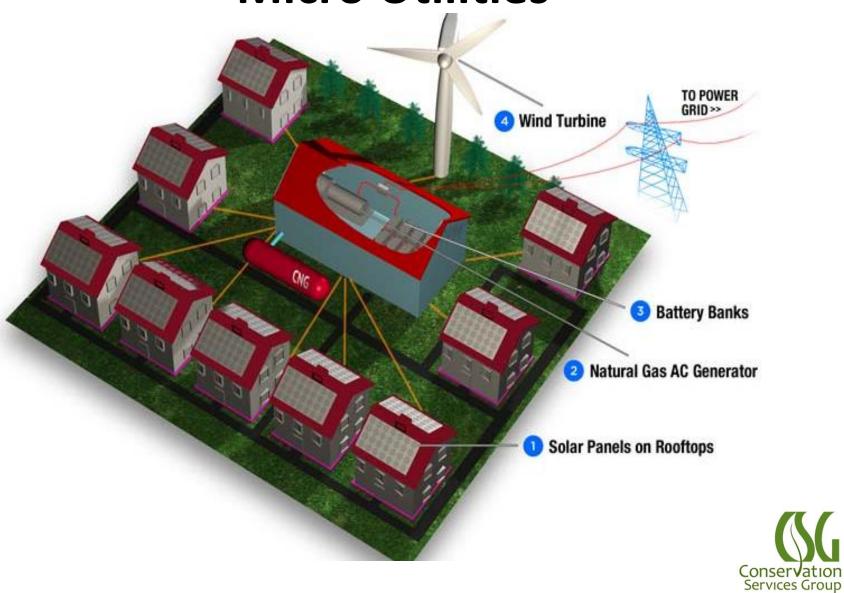
Least Cost Solution

VS.

Greatest Long Term Value



Micro Utilities



Smart Meters











Flat Rates

Currently, most customers are charged flat rates









Time Varying Rate (TVR)







Reduced Wholesale Prices

Benefits of TVR

Deferred Resource Costs

Environmental Benefits

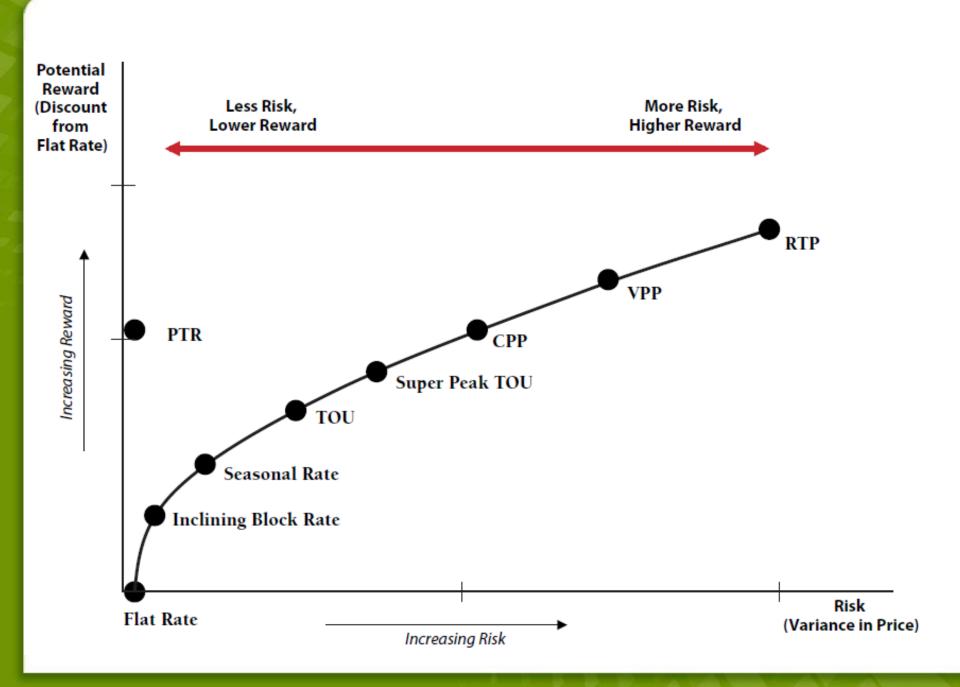
Customer Bill Reductions

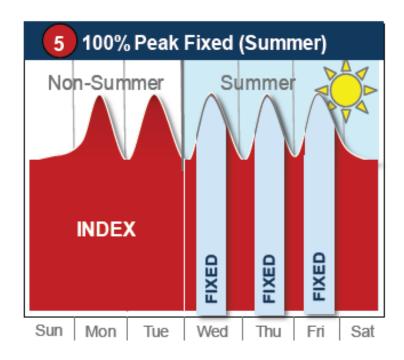
Deployment of Distributed Resources

Types of Time Varying Rates

- Real Time Pricing
- Time of Use
- Critical Peak Pricing
- Peak Time Rebate

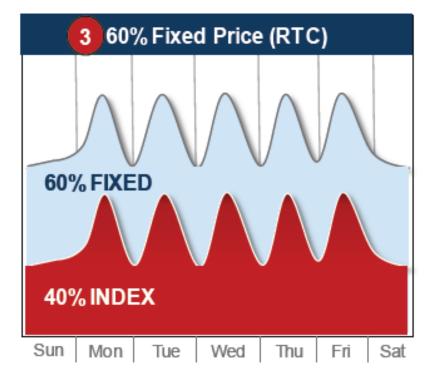






















Massachusetts Pilots

NSTAR

- Opt-in
- 2,000 Meters
- BehavioralComponent

National Grid

- Opt-out
- 15,000 Meters
- BehavioralComponent



Maine and Vermont

Maine

- Central Maine Power
- 600,000 Meters
- Ongoing dispute at PUC over costs

Vermont

- Statewide Rollout
- 300,000 Meters
- Behavioral programs coming soon



BGE Smart Energy Manager

- Opt Out Program
- Peak Time Rebate
- Three Step Process
- Coupled with Peak Rewards Program





References

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Questions?

This concludes the American Institute of Continuing Education Systems

Program

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