

## Entergy Louisiana and Entergy Gulf States Louisiana IRP Stakeholder Meeting

### Demand Side Management Potential Study

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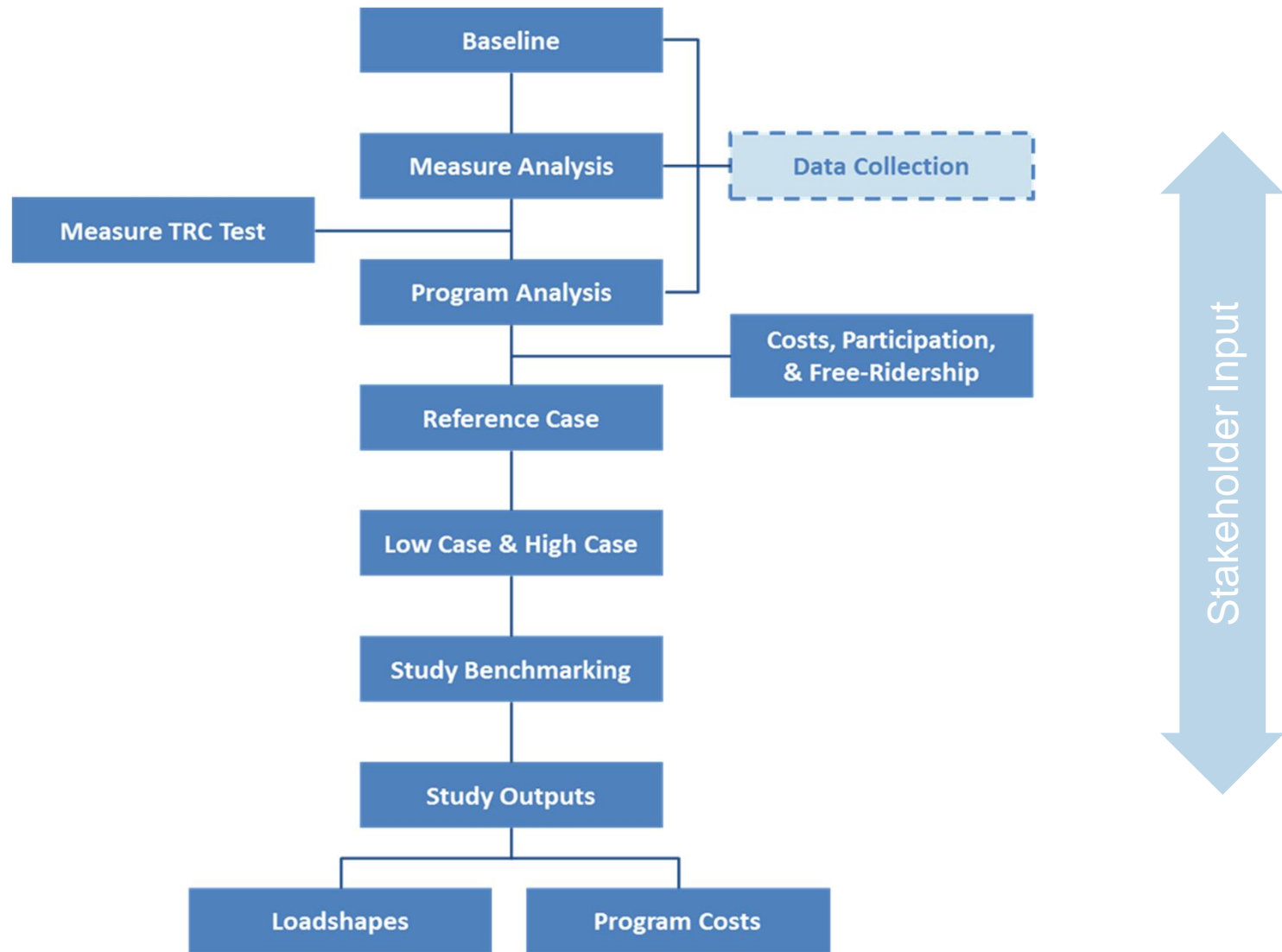
## Objectives of the Study

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- Develop high-level, achievable DSM program potential estimates for ELL/EGSL appropriate for inclusion in IRP analyses.
- Develop hourly load-shapes and cost projections representing three levels of achievable DSM (low, reference, and high) over 20 years (2015-2034).

*Note: The Potential Study should not be applied directly to short-term DSM planning activities, such as program implementation plans or utility goal setting, but can serve as one of the inputs into the more detailed analysis necessary to support such planning.*

# Study Process



## Key Considerations

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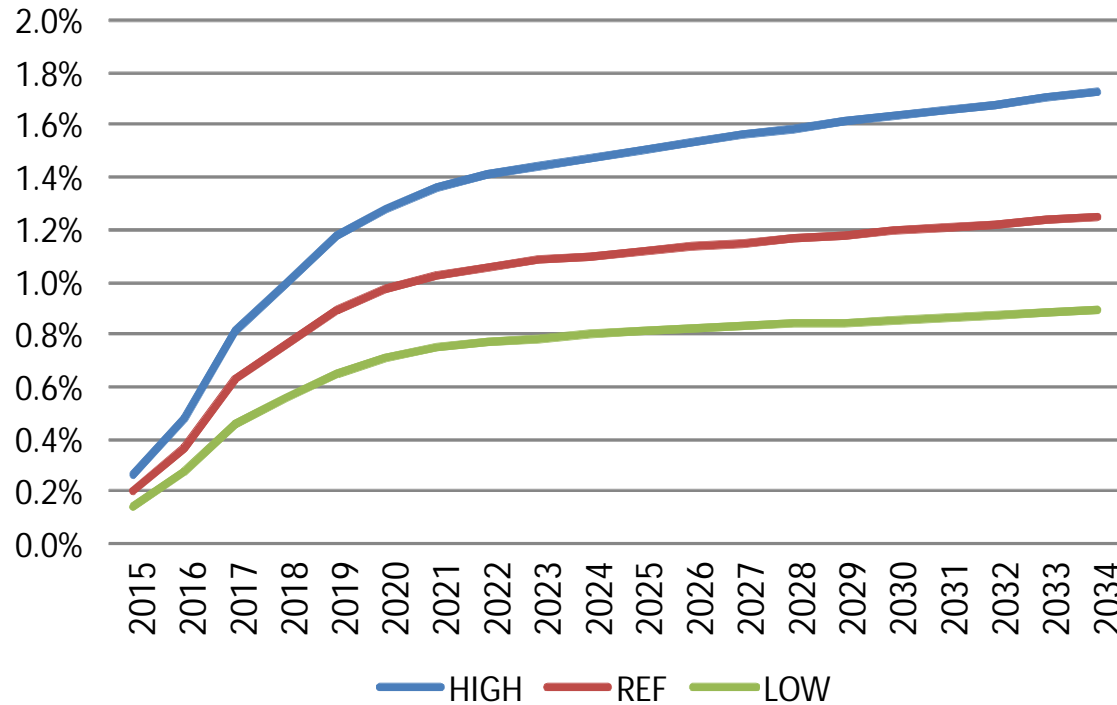
- Impacts of future codes and standards
- Customer adoption of DSM in the absence of utility programs
- Availability, cost, and efficiency of new/evolving technologies
- Avoided costs for screening
- Definition of “Achievable Program Potential”
- Forecasting participation
- Estimating program costs

# Illustrative Scenarios



Variable	Scenario		
	Low	Reference	High
Incentive Simple Payback Target (years)	3	2	1
Incentive Min. (% Incremental Cost)	10%	25%	50%
Incentive Max. (% Incremental Cost)	50%	75%	100%
Non-incentive Program Costs	$(33\% \times \text{Reference}) + \text{Reference}$	Reference	$(-33\% \times \text{Reference}) + \text{Reference}$

# Illustrative Findings: Annual Net Achievable DSM Energy Savings as % Operating Company Energy Requirements



Annual Program Costs, \$Millions  
(10 and 20 Year Estimates)

Scenario	2024	2034
Low	\$ 7.6	\$ 8.3
Reference	\$ 20.4	\$ 23.3
High	\$ 35.1	\$ 40.5

# Illustrative Sources of Energy Savings

