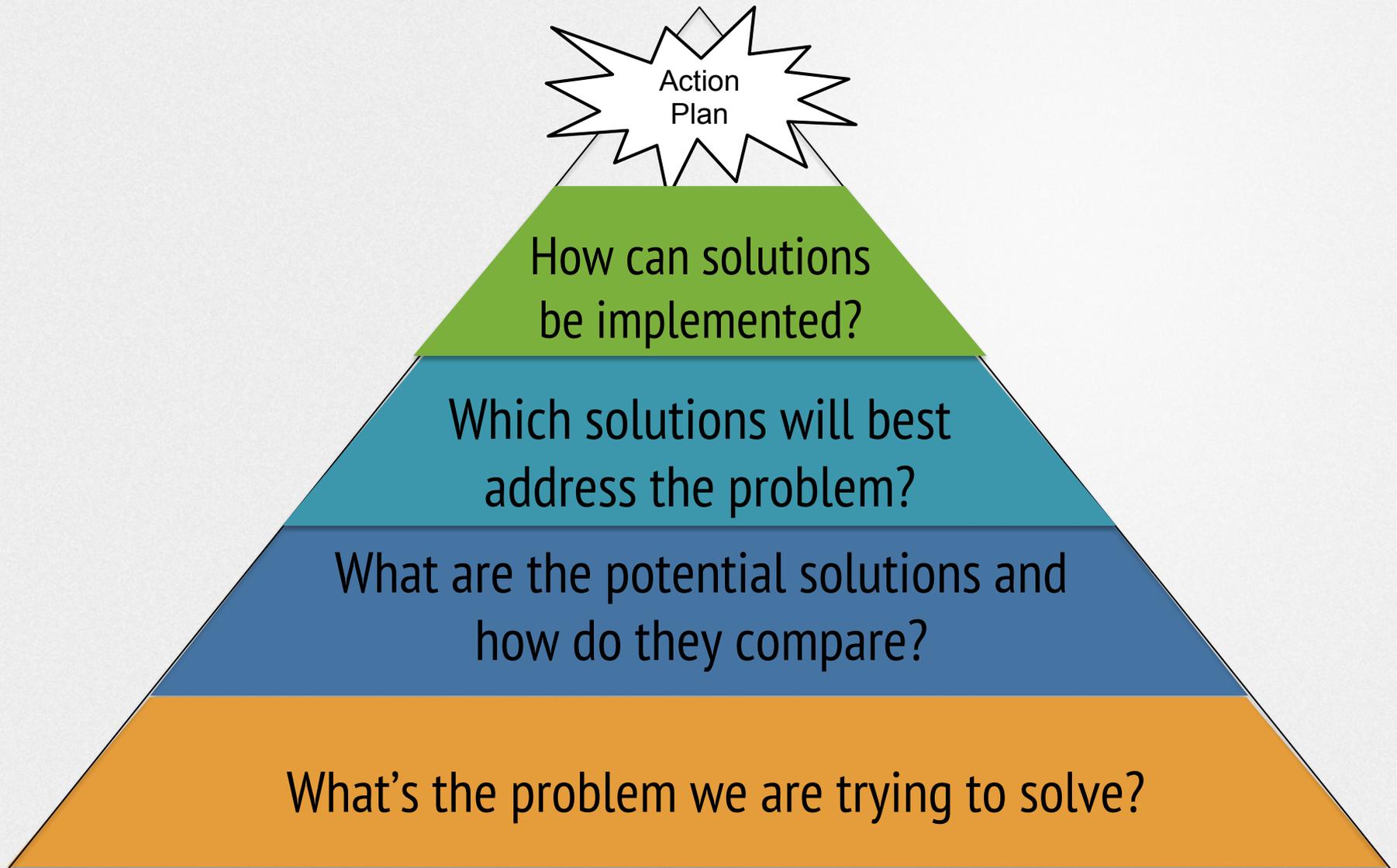


Process Update

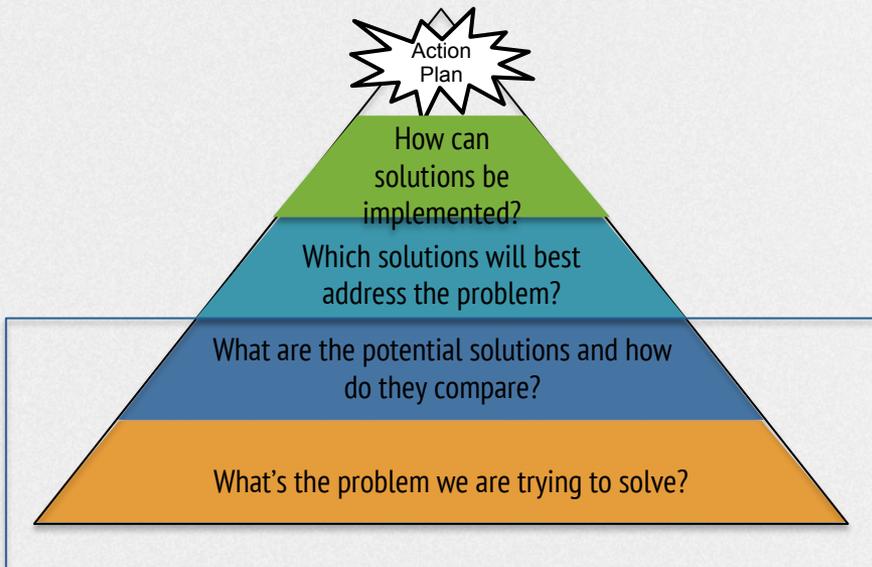
November 11, 2016

November Energy Innovation Task Force Meeting

The overall approach of the EITF



EITF primary focus through December



Task 2: Baseline & Target Development

- Create baseline and annual targets
- Identify primary drivers of energy and peak usage

Task 3: Solution Identification & Development

- Research and refine potential solutions
- Identify strategies that can accelerate adoption
- Compare solutions/strategies

Task 2: What's the problem we're solving?

How much demand do we need to reduce to delay or avoid the peaker? By when?

Projected Demand and Capacity for Western North Carolina



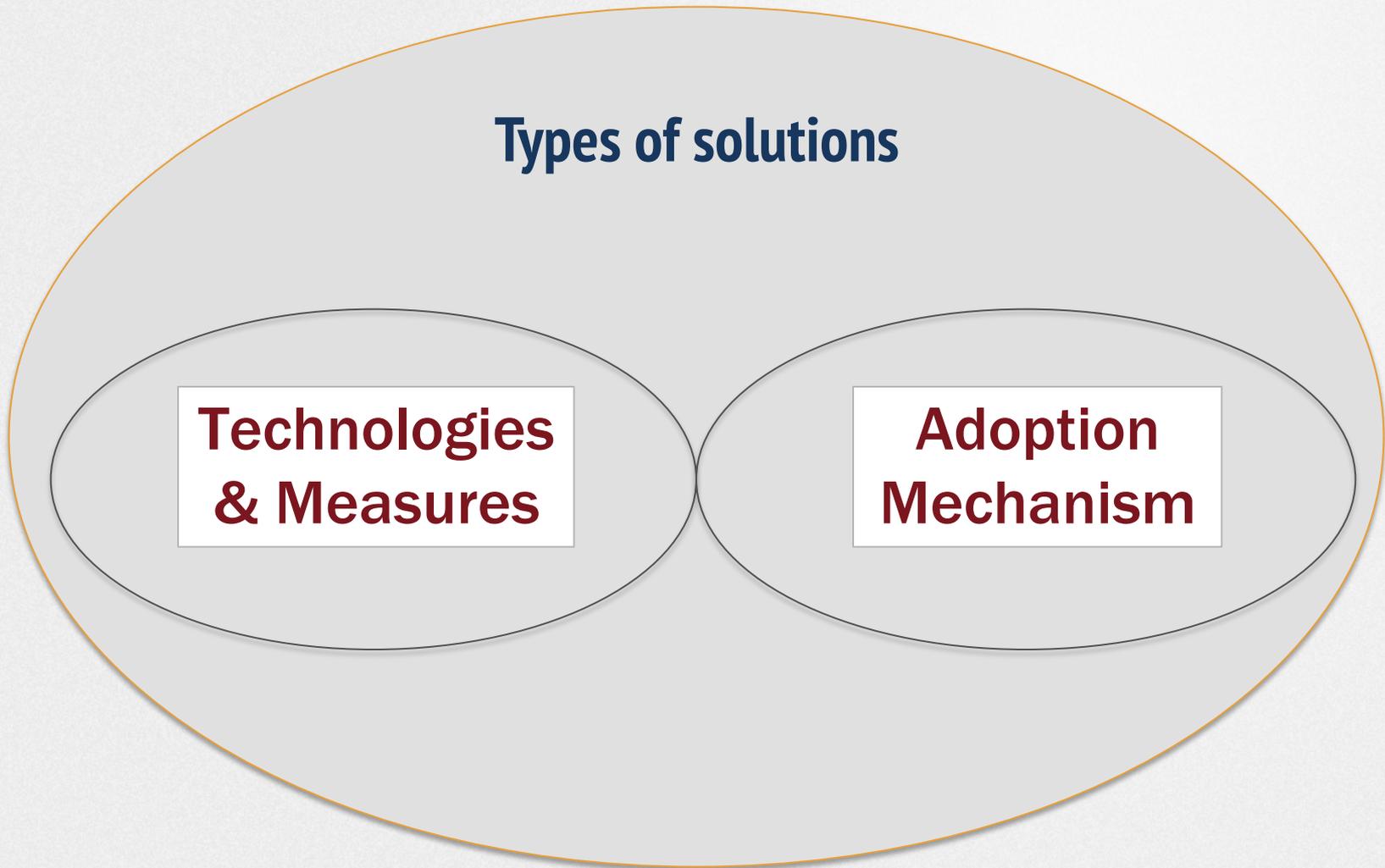
Output:

- WNC projected demand and electricity resource capacity projected needed to meet demand

Inputs from Data Request:

- Generation sources;
- Transmission capacity & constraints;
- DSM and EE program information
- Planning assumptions;
- Planned generation additions
- Planned transmission upgrades

Task 3: What are the potential solutions and how do they compare?



Uncovering the “what” and the “how”

Technologies and Measures

- **What** enable reductions in peak demand

Examples

- Supply-side:
 - Roof-top PV
 - Customer-sited cogeneration
- Demand-side
 - Heat-pump water heater
 - DR enabling software
- Other types
 - Commissioning
 - Energy storage

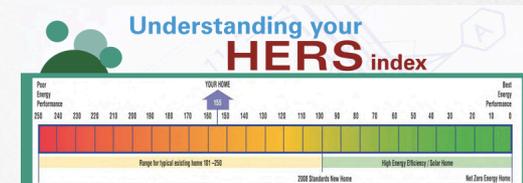


Adoption Mechanisms

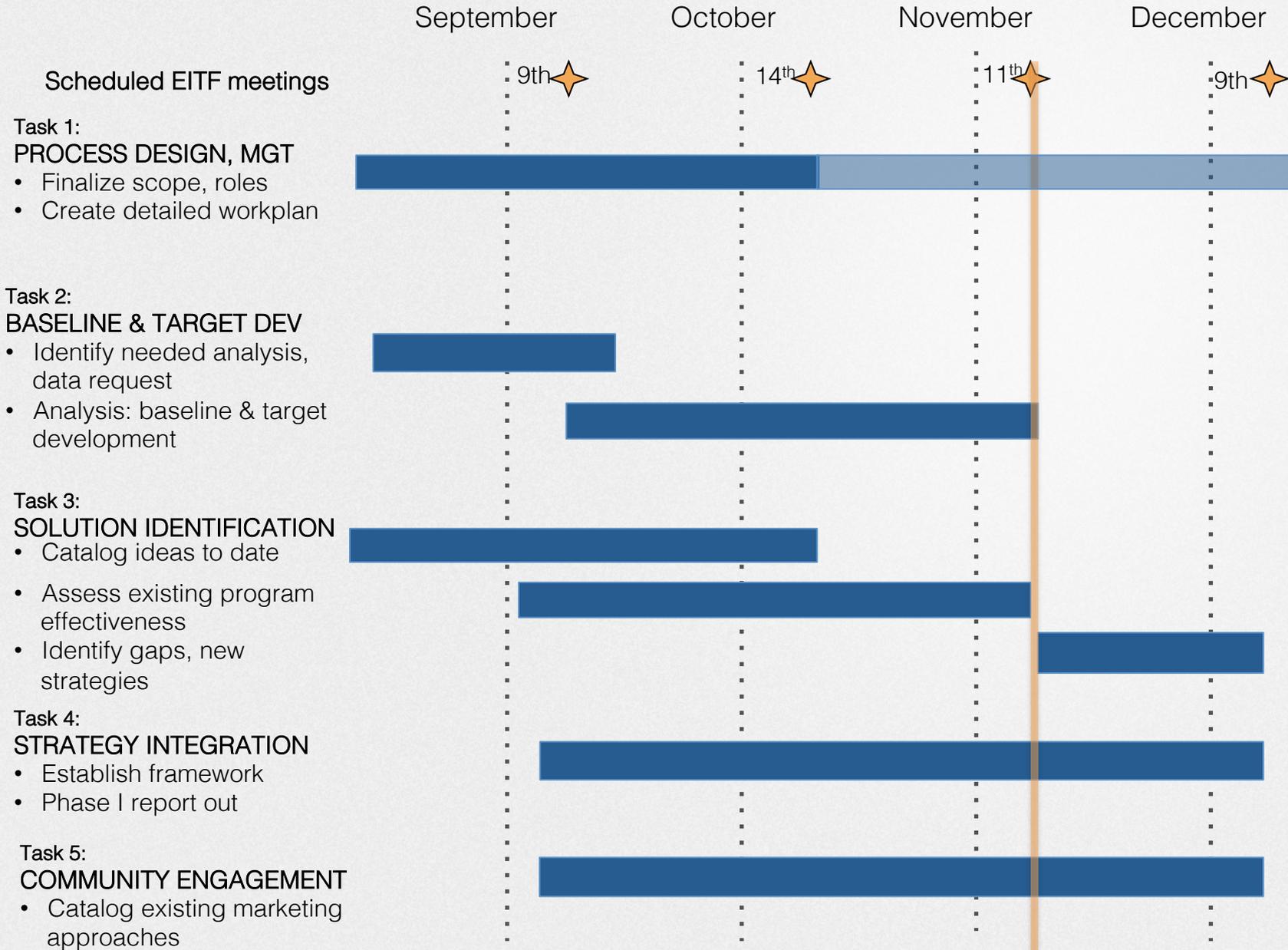
- **How** the deployment of **technologies and measures** are enabled and encouraged.

Examples

- Information Dissemination
 - Bill inserts
 - Radio ads
- Social Engagement
 - Block parties
 - Games
- Economic Decision Making
 - Financial incentives and rebates
 - On-bill financing
- Mandates
 - Appliance codes
 - Building standards



Phase I Milestones



Phase I Meeting Milestones

	September 9th	October 14th	November 11th	December 9th
Process design and Project Management	<ul style="list-style-type: none"> Review process design & work structure Mtg with working group chairs on schedule, workflow 			Integrate in Phase I strategy report out
Baseline and Target Development	<ul style="list-style-type: none"> Review needed analysis, data request Schedule mtg with Peaker workgroup, Duke analysis team to discuss schedule, workplan 	<ul style="list-style-type: none"> Duke/ Peaker Workgroup: Present update: Initial baseline and target development 	<ul style="list-style-type: none"> Duke/ Peaker Workgroup: Present finalized baseline and targets 	
Solution Identification and Development		<ul style="list-style-type: none"> Programs and Technologies Workgroups: Catalog existing programs; framework of ideas 	<ul style="list-style-type: none"> Assessment of existing program effectiveness Identification of gaps, new strategies 	
Strategy integration		<ul style="list-style-type: none"> Establish strategy framework 	<ul style="list-style-type: none"> Refine, populate strategy framework 	
Community Engagement		<ul style="list-style-type: none"> Catalog existing marketing approaches 	<ul style="list-style-type: none"> Identification of gaps, new strategies Identify branding firm 	