



# Non-Wires Alternatives Best Practices and Lessons Learned

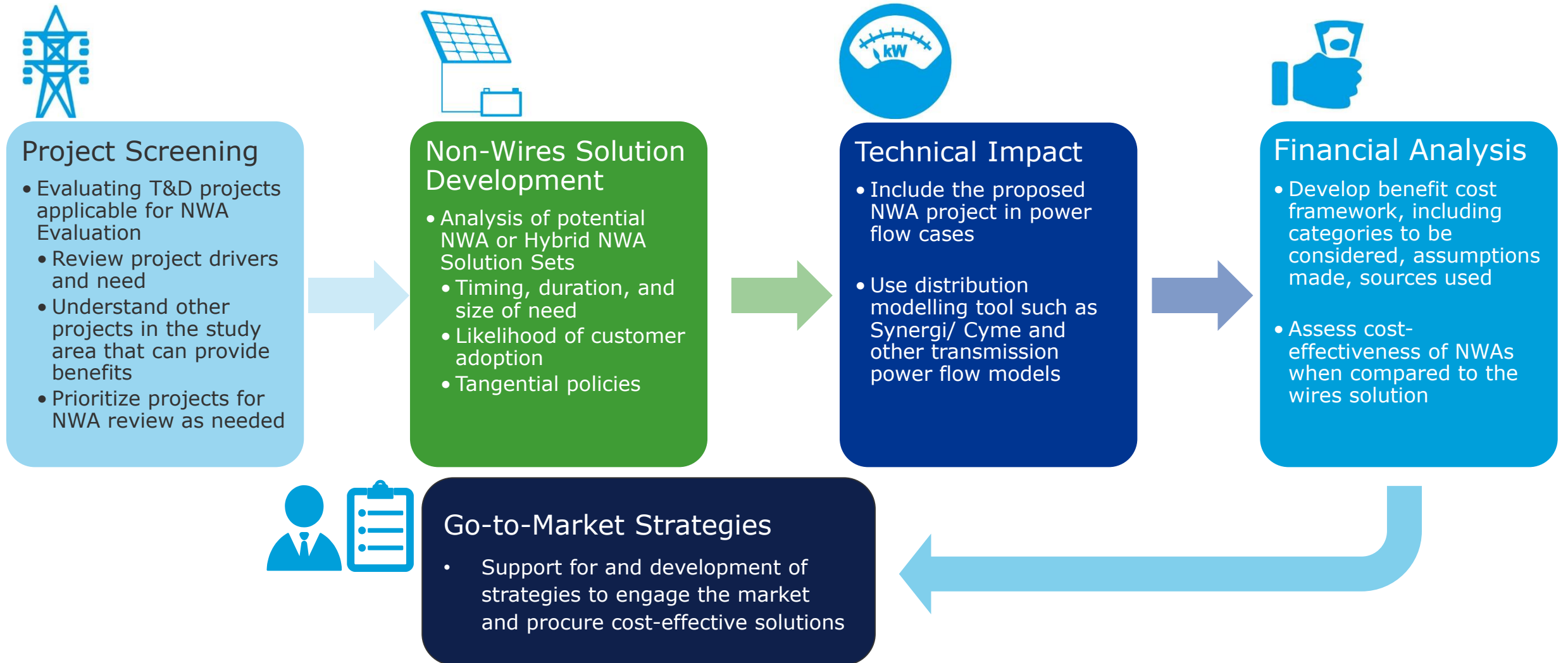
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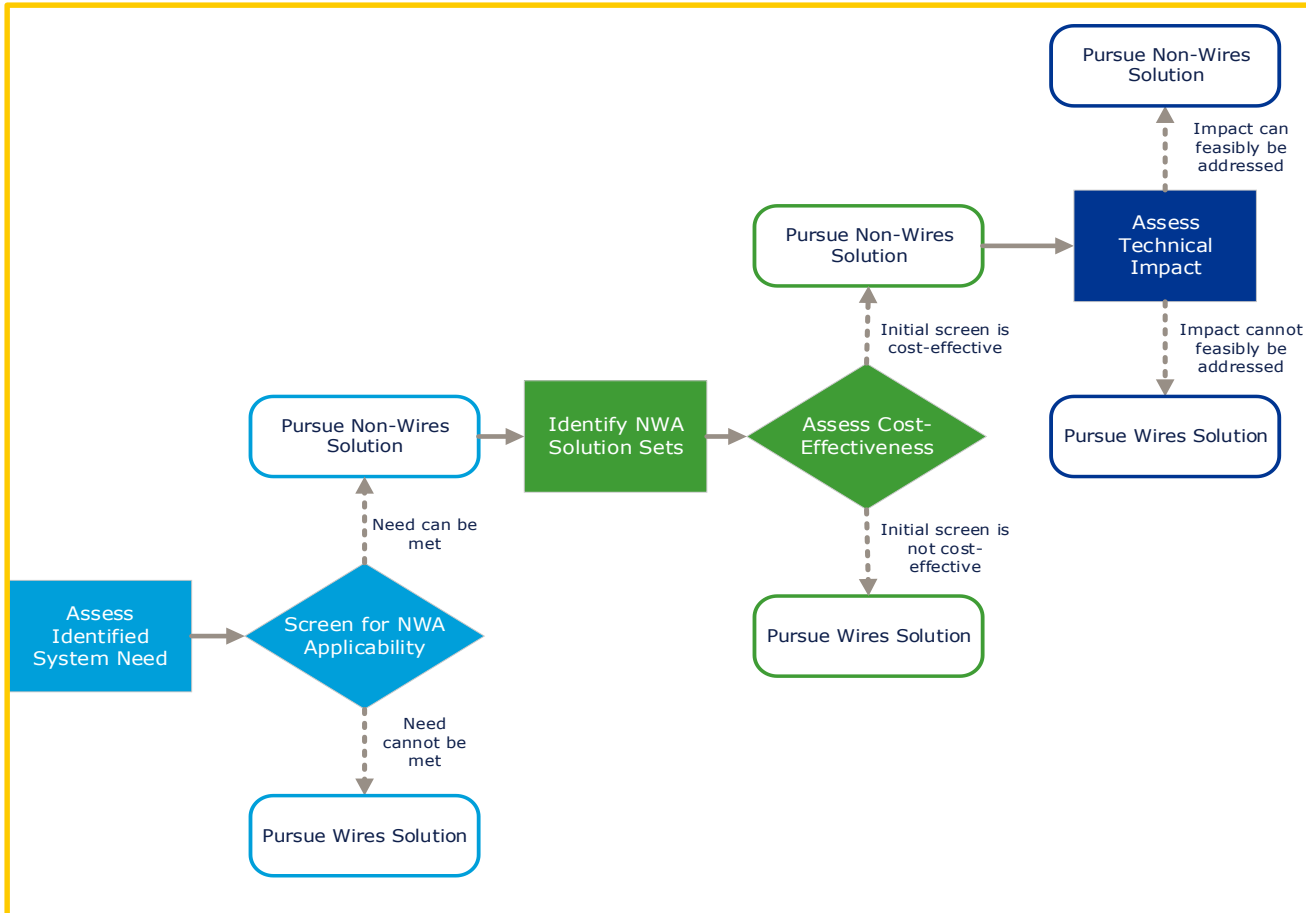
DNV GL

# Non-Wires Planning and Implementation Process

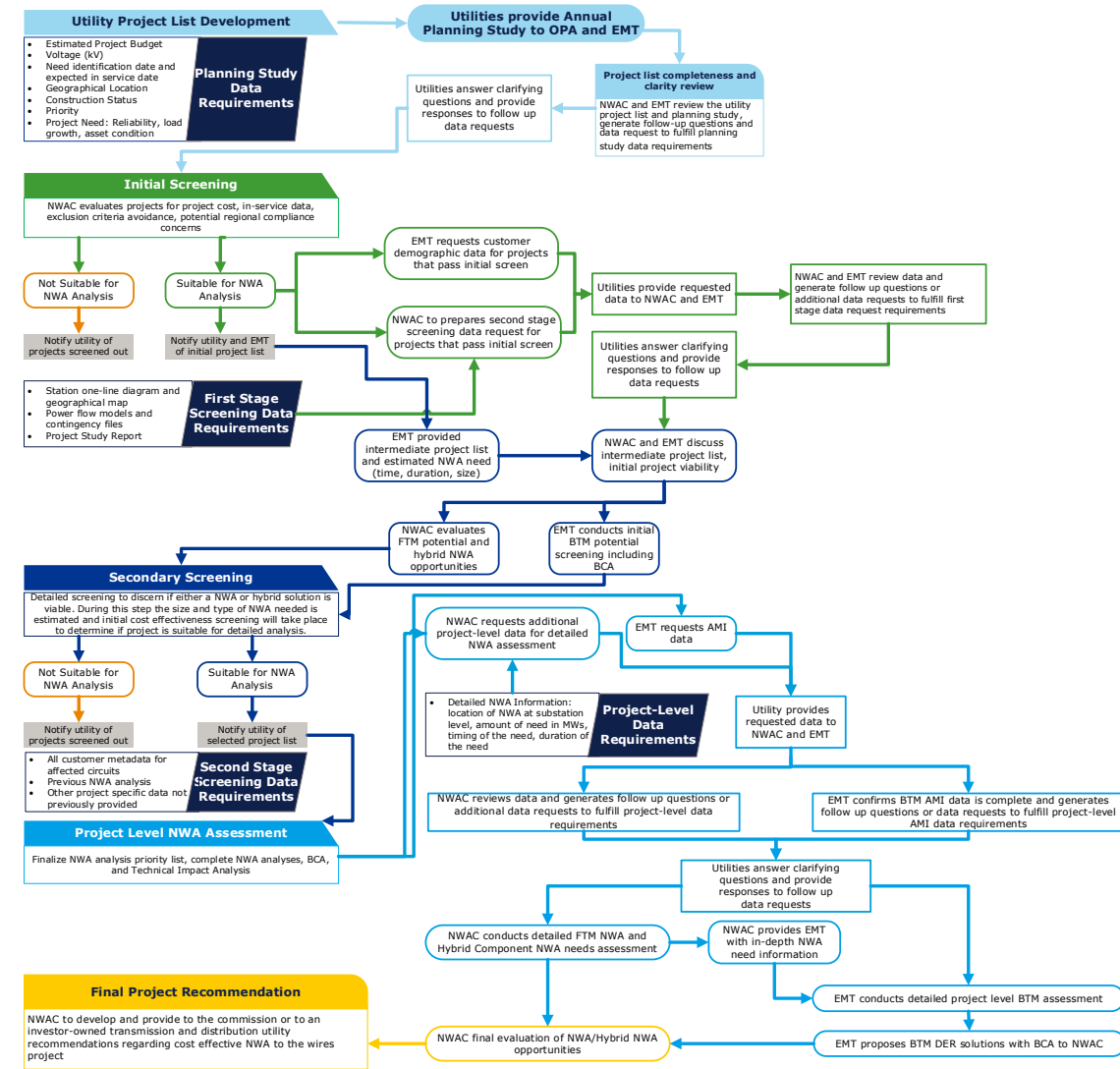


# Non-Wires Evaluation: An Evolving Process

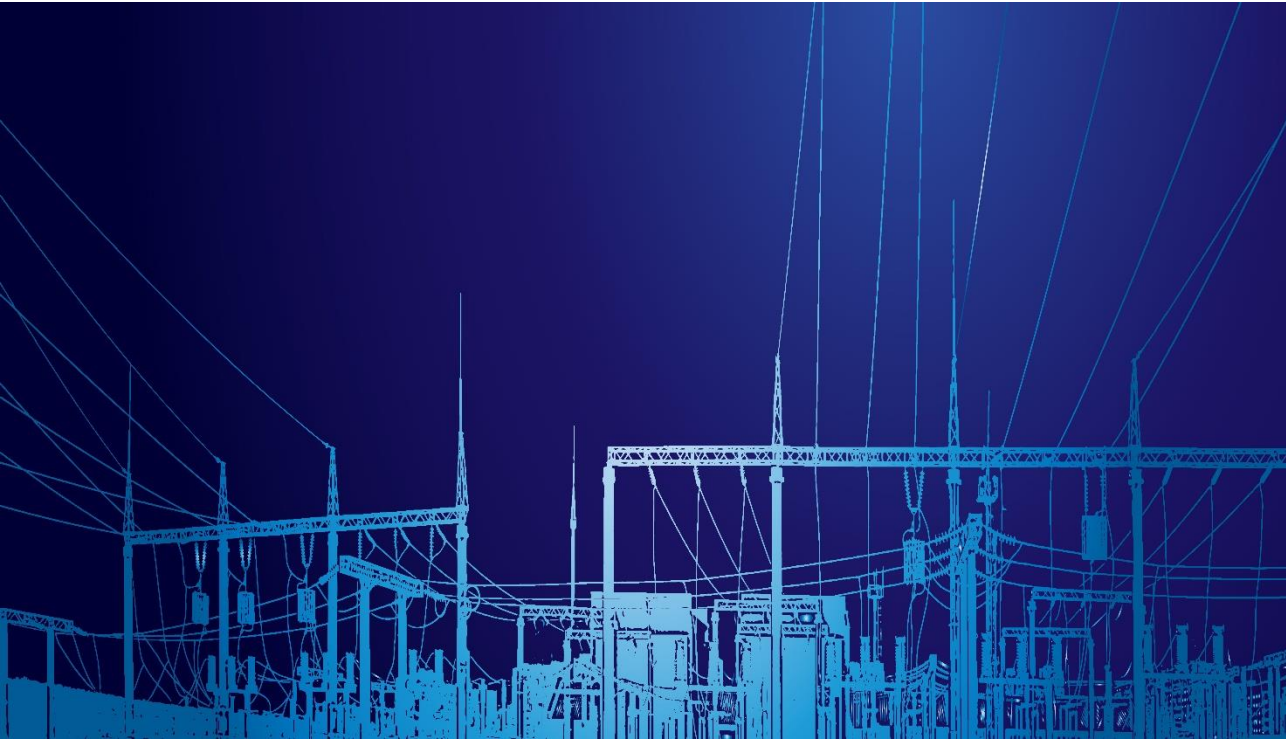
Then



Now



# Lessons Learned: Project Screening



**A well-planned screening process sets a strong foundation for NWA analysis and system planning**

## Objectives:

- Evaluate utility transmission and distribution projects and determine NWA viability and appropriateness

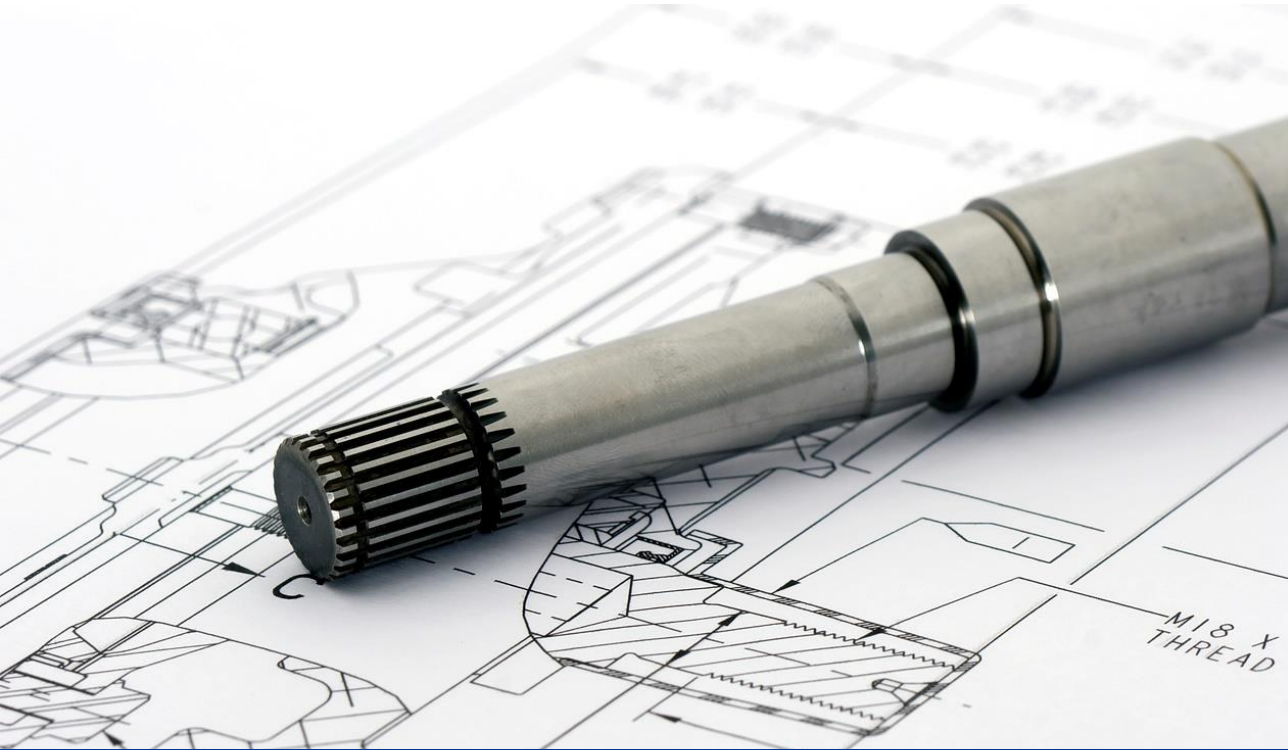
## Lessons Learned- Setting up for Success:

- Develop data requirements, project review and screening processes and suitability/screening criteria at the beginning
- Defined screening criteria should not be designed to limit viable projects; develop criteria considering policy needs and integrated approaches
- Integrate the NWA process with utilities' T&D planning in advance
- Identify other projects in the region to evaluate their impact on other projects

## Lessons Learned- Seeing the Bigger Picture:

- NWA can be an anxious experience for stakeholders
- Project screening may be a longer process than anticipated but can set you up for success

# Best Practices and Lessons Learned: Benefit-Cost Analysis



**A benefit-cost analysis framework that reflects policy objectives** is a necessary step in supporting NWA development

## Objectives:

- Develop a benefit-cost analysis framework that reflects policy goals and market conditions that can be easily understood and applied by stakeholders

## Lessons Learned- Defining the Goals:

- Understand policy goals behind NWAs and grid modernization efforts and align the benefit-cost analysis framework
- Develop with the future in mind noting areas for future consideration or what will trigger an update

## Lessons Learned- Developing the Framework:

- Clearly define all cost and benefit categories and accepted values or calculation approaches
- Ensure clarity and transparency for all stakeholders
- Be ready for situations that require special considerations
- Coordinate with other market signals

# Best Practices and Lessons Learned: Market Engagement



Effective **market engagement is essential** to developing a successful NWA program

## Objectives:

- Effectively engage third-parties in providing NWA resources

## Lessons Learned- Soliciting Feedback and Solutions:

- Use RFIs or other approaches to gather feedback on the viability of NWA solutions early in the process and develop targeted RFPs
- Provide clarity, transparency, and expectations in RFPs
- Vendors need to know costs, project drivers, specifics on the needs, customer and energy demographics, interconnections

## Lessons Learned- Keeping the Market Engaged:

- Developers see strong market opportunities with NWAs but are facing procurement obstacles
- Engage system planners in looking for hybrid solutions or consider internal program resources to reduce need from the market
- Support partnerships between vendors to facilitate better solutions
- Provide opportunities for interaction with vendors and offer feedback on why a proposal was not selected



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