



PJM IPRTF Solution Package



Clearway

Clearway Energy Group Overview

Clearway is one of the largest renewable energy companies in the United States. We are a full-scope development & operations platform. We participate in every stage of the life-cycle of **Our Projects** – from origination and development – through construction and financing – to long term ownership, management, and operations. Clearway strives to create an enduring platform for our customers, counterparties, partners, affiliates, and stakeholders.

With 5 GW of solar and wind assets across 26 states and a development projects (nearly 16 GW of solar, wind, and storage projects) nationwide, we are offsetting nearly 8.8 million metric tons of carbon emissions for our customers.

- **Origination & Business Development**
 - Focused on utility-scale wind, utility-scale solar & community solar
- **Development**
 - Site diligence, project management, permitting, & interconnection
- **Engineering, Procurement & Construction**
 - Technical services & construction management
- **Project Finance**
 - Over \$8.1 billion in financing across over 170 distinct projects
- **Commercial Operations**
 - In-house Asset Management and Operations & Maintenance

Clearway supports five queue reform's fundamental goals

A few strawman ideas are listed below – with more details in the solution package workbook

Cost Allocation Improvement

- Shift factors for cost allocation based on the study methodology being deployed (e.g. reliability vs. deliverability contingencies)
- Network upgrades are subject to rate recovery and reimbursements to interconnection customers up to a defined cost cap (\$/MW)
- Identified Cluster Study Network upgrade also be evaluated as a possible baseline or policy driven upgrade

Study Time Reduction

- Overall study timeline (Phase 1 +Phase 2 + Phase 3) reduction to around 365 days:
- Overall queue process timeline 18 months
- Affected System Study coordination and study timeline reduction

Increasing Cost Certainty

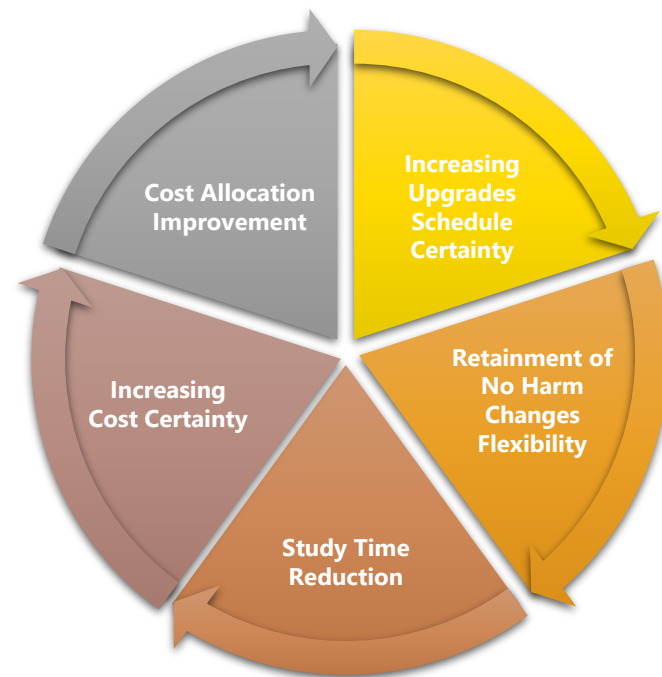
- Support finding ways to reduce late-stage queue churns and corresponding study retooling
- Support implementing appropriate milestones (financial and technical ones) at various phases of the projects to increase the certainty of the projects

Increasing Upgrade Schedule Certainty

- Interconnection Facilities and Network Upgrade cost and schedule should be binding to provide IC cost and timing certainty

Retention of No Harm Changes Flexibility

- Allowing some flexibility around fuel type, MW reduction, equipment change etc., subject to material modification evaluation
- Modifications after the Phase 2 or 3 study phases should be evaluated under a Material Modification Assessment process with clear guidelines on what modifications are allowed through the confirmation process





THANK YOU

Contact us

Chris Barker

Senior Director Transmission and Grid Integration

Email: Chirs.barker@clearwayenergy.com

Ling Hua

Senior Manager Grid Integration

Email: ling.hua@clearwayenergy.com

@ClearwayEnergy



www.clearwayenergygroup.com