GRID MODERNIZATION KEY CONCEPTS



STAY REAL

COLLABORATE

On Approach



DER Adoption Lifecycle Engagement



Energy Transition Change Process

Incremental



NJ Grid Modernization Program (Actors)

Realistic

AIMING FOR BEST COLLABORATIVE RECONCILIATION





Advancing Grid Modernization ... by NJBPU Board Order Nov 22, 2022 N.J.A.C 14:8-5

Interconnection Implement IEEE 1547 RULES Streamline/Automate PUBLIC **IXC Application Process REVISION RULEMAKING** DRAFT Align EDC Host PROCESS Capacity Accuracy (UNDERWAY) **NEAR** Institute Pre-Appl Section 5: **TERM** Process (>500kW) Targeted Encode Detail Findings On IXC Rules and (Tariff?) Recommen dations Efficient Sequence **RULES** FORMALIZED of IXC Throughput REVISION WORKGROUP Grid Upgrade RECOMMEND **TASK FORCE** Cost Estimation LONGER (FUTURE) /Allocation **TERM** Integrated DER Plans and Defined Roadmap **UPDATE CONTRIBUTION** Grid Mod Forum Hybrid Solutions with non-Renewables ENERGY MASTER PLAN

GRID MOD FORUM – Initial Workgroups

Recommendation #5 – NJ BPU should convene a technical working group to adopt and develop into N.J.A.C.14:8-5, current specific industry guidance such as from IREC, California Rule 21, IEEE 1547, and similar sources Rec #6 – NJ EDCs should implement a uniform streamlined flexible queue process across EDCs that would prioritize a "first ready, first through" approach to support viable projects

Rec #7 – NJ BPU should define a mechanism to establish numerical cost and capacity thresholds above which grid modernization costs could be spread over a broader set of **beneficiaries**

Rec #8 – EDCs should submit integrated DER and integrated distribution plans that will allow NJ to meet the EMP goals. Rec #9 – NJ BPU should consider allowing nonrenewable fuel sources play in the net metering market at a reduced rate,

Critical Common GMF Workgroup Elements



A GRID MOD WORKGROUP (Example – DR)

HW/SW is customer-purchased and **flexibly** used by Aggregator for monetizing in wholesale market.



