
POLICY OPTIONS TO INCREASE PENETRATION OF SOLAR + STORAGE



MILES FARMER
RENEWABLE ENERGY MARKETS CONFERENCE
OCTOBER 24, 2017

ISOs can integrate DER into wholesale markets

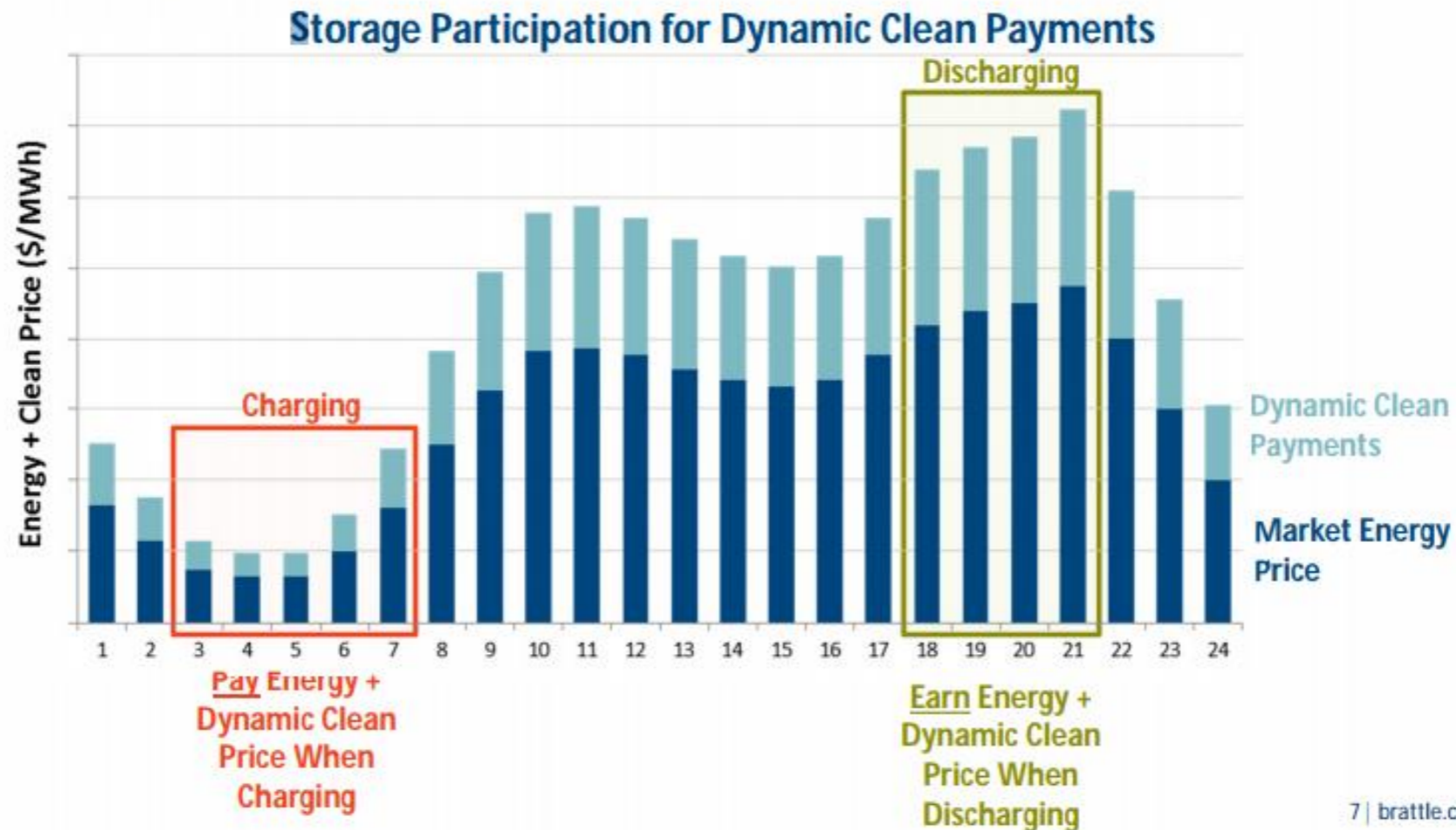
- Types of state policies:
 - Incentive programs
 - Mandates
 - Non-wires solutions and other utility procurement
 - Expansion of solar credit policy programs
 - RPS-style programs
- ISO-level policies
 - Energy storage integration and optimization for in-front of the meter resources
 - Integrating DER into markets (FERC energy storage notice of proposed rulemaking is pending; NYISO, CAISO and ERCOT all have efforts underway)
 - Interconnection
 - Implement state policies reflecting emissions value (e.g. carbon adder)

New frontier - capturing the emissions value of storage?

Design Concept

Incentives at the Right Times (Including for Storage)

Dynamic payments incentivize clean energy at the right times to displace the most CO₂ emissions. Unlike other policies, storage can compete with other technologies



1. See: Brattle Group, A Dynamic Clean Energy Market: Straw Proposal for a Long-Term IMAPP Design, NEPOOL Integrating Markets and Public Policy Forum, available at http://www.nepool.com/uploads/IMAPP_20170517_LT_Straw_Dynam_Clean_Energy_Market.pdf.
2. See: Brattle Group : Pricing Carbon into NYISO's Wholesale Energy Market to Support New York's Decarbonization Goals at 35 http://www.nyiso.com/public/webdocs/markets_operations/documents/Studies_and_Reports/Studies/Market_Studies/Pricing_Carbon_into_NYISOs_Wholesale_Energy_Market.pdf