

SUBMITTED BY

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Objective

Reduce peak demand based on PJM and or local utility to meet peak demand need dispatchable resource

Strategy

Standardize a acceptable emergency or standby generator application consistent with NJDEP air permits to be installed or retrofit at end user locations. This can be a upgrade or new unit. Comercial and industrial businesses, hospitals, data centers, government buildings, schools

Responsible Party

Private business owners, curtailable service providers, NJDEP (air permitting), PJM demand response program, BPU program support and determination of appropriate financial incentive(s), Electrical distribution utilities if used to address local distribution congestion and or peak reduction.

Timeline of action

Start 2007 initial target 20 mw from existing units and 30 mw of new units by 2010 post 2010 target to be determined

Strategy outcome

Make a reliable and dispatchable source of peak generating capacity available in the areas currently experiencing congestion, reducing customers energy cost by earing PJM and possible LDC incentives. Reducing electric peak and consequent need for transmission and generation solutions. Reduce air emissions as the qualifying generators will have lower NOx emissions and better heat rate than current peaking units.

Implementation cost
Need estimates

Source of Funding
PJM demand response, possible LDC dispatch value, BPU to determine if financial incentive is needed to accelerate implementation. Curently funds are approved under retail margin for CIEP
Private owner operator funds and energy service company funds.

Funding sources	Yes	No
Private sector funds	y	
Public sector funds		
Consumer/ratepayer Funds	y	

Indicators
Number of units permitted and capacity contracted to PJM and ot LDC's

Source
NJDEP, PJM, LDC

A. Current state of indicator
PJM data is available, NJDEP air permit data is also available as to permitted units not for operating hours.

B. Indicator Projection to 2020.

