

IESO Engagement

From: Paul Acchione
Sent: January 27, 2017 11:21 AM
To: IESO Engagement
Subject: Enabling System Flexibility - OSPE Comments

Thank you for an informative webinar today on Enabling System Flexibility.

Some thermal plants have the ability to bypass energy saving systems to generate above their design rating but at a higher fuel (marginal) cost. Are the thermal plants currently allowed by the dispatching algorithm to bid more than their design rating at a higher marginal cost? If yes, I assume the plant owners have already been encouraged to bid that additional "stretch" capacity into the market.

If not, can that "stretch" capacity provide the required system flexibility that you need at a lower cost than procuring separate additional flexible assets (with associated additional fixed cost) even if the new resources can supply the flexibility at lower marginal cost? It may be worth surveying your thermal plant owners to see if they can make "stretch" capacity available on short notice and how frequently they can do so. I presume the less severe forecasting errors can be accommodated by additional regulation services so IESO does not call on the "stretch" capacity too frequently.

Best regards.

....Paul Acchione, P. Eng., FCAE
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