Gen Checkout

July 18th, 2017

Dispatcher Training Subcommittee

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Gen Checkout

- Program to compare unit availability and bid data to ensure accurate market data and capacity/reserve projections

- Previously calculated ICAP and RPM analysis in parallel. Program chose one of the two analysis methods when Gen Checkout is initiated.

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Gen Checkout

- To enhance operational awareness and planning, PJM wants to know what is available (energy & capacity) on a unit regardless of its commitment.
- PJM replaced RPM analysis with a “Capacity Factor” Analysis.
- Anticipate minimal impact as Gen Checkout selects ICAP analysis majority of the time.

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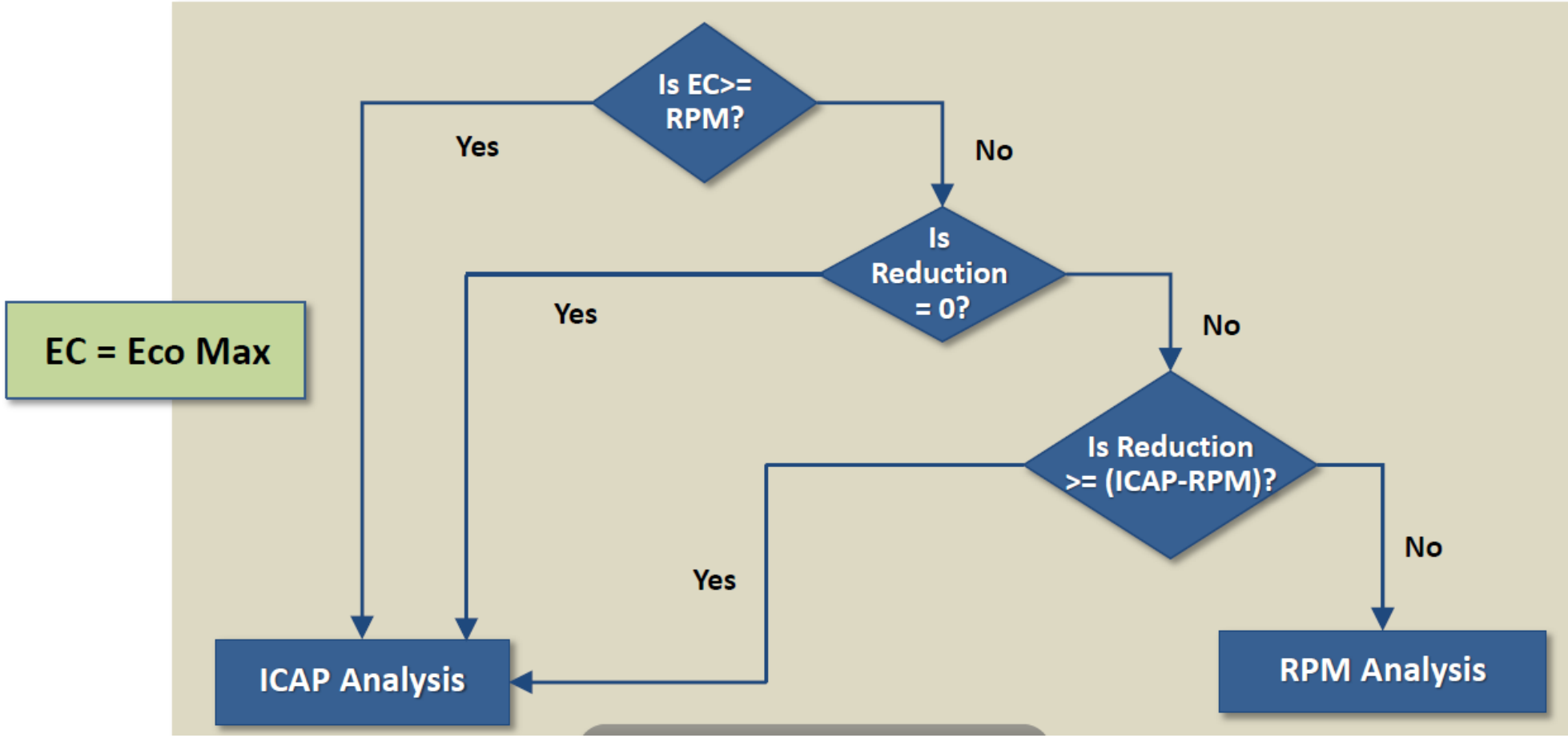
Previous Gen Checkout Logic



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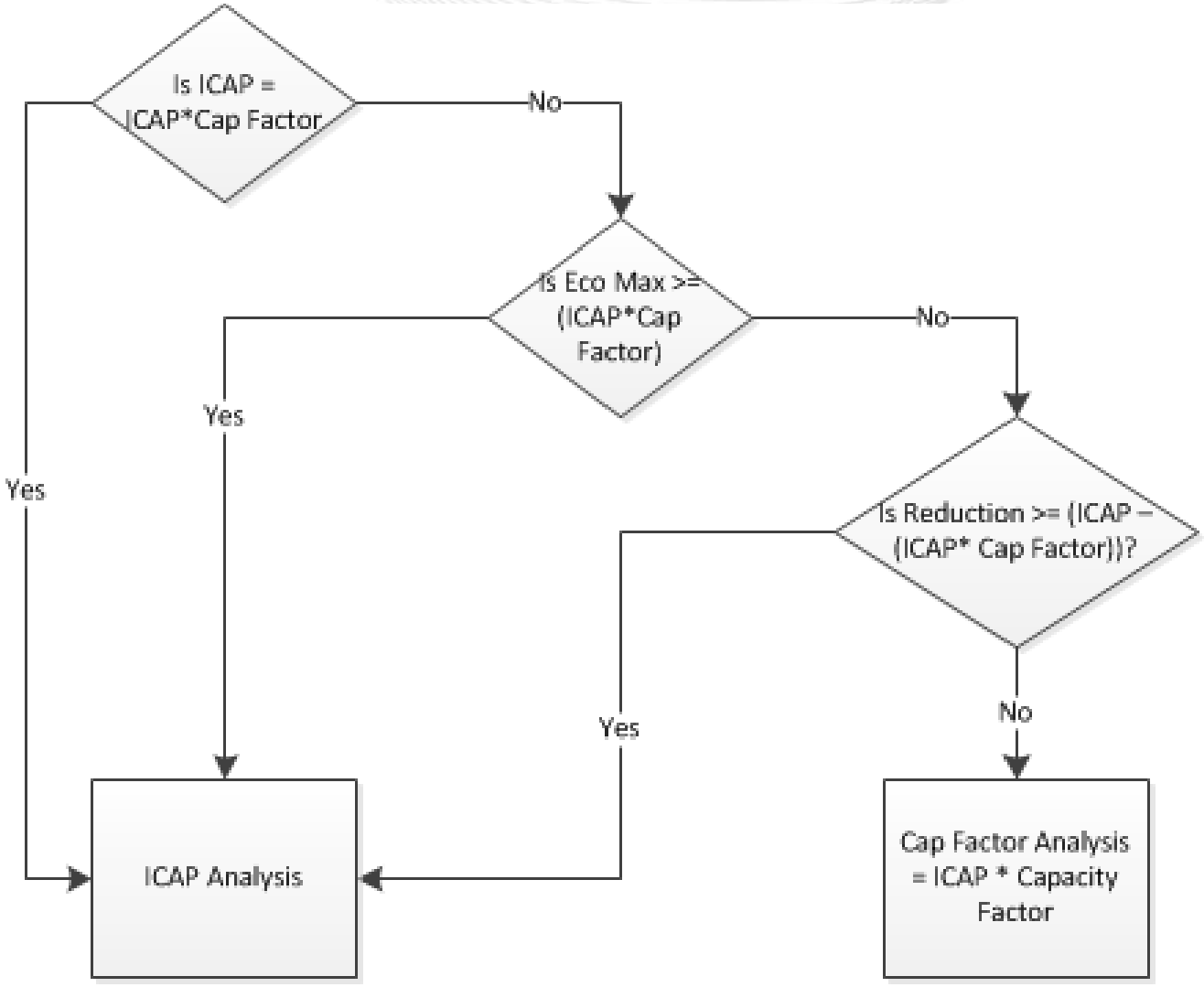
Current Gen Checkout Logic



ICAP = eDART ICAP
Cap Factor Non-Renewable = 1
Cap Factor Renewable < 1

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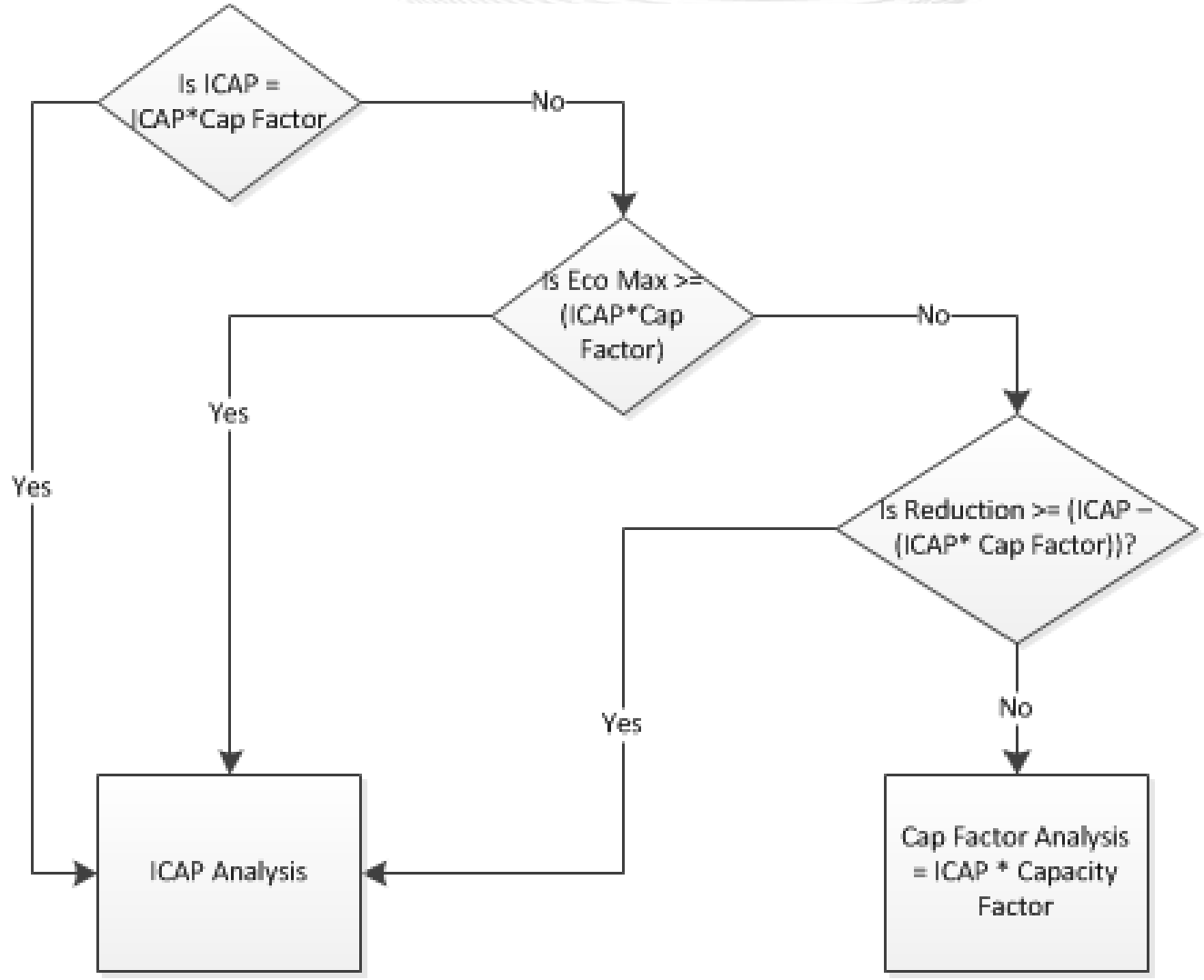
Gen Checkout Steam Example



Steam Unit
eDART ICAP = 1000 MWs
Cap Factor Non-Renewable = 1
ICAP * Cap Factor = 1000 MWs

Gen Checkout uses ICAP analysis

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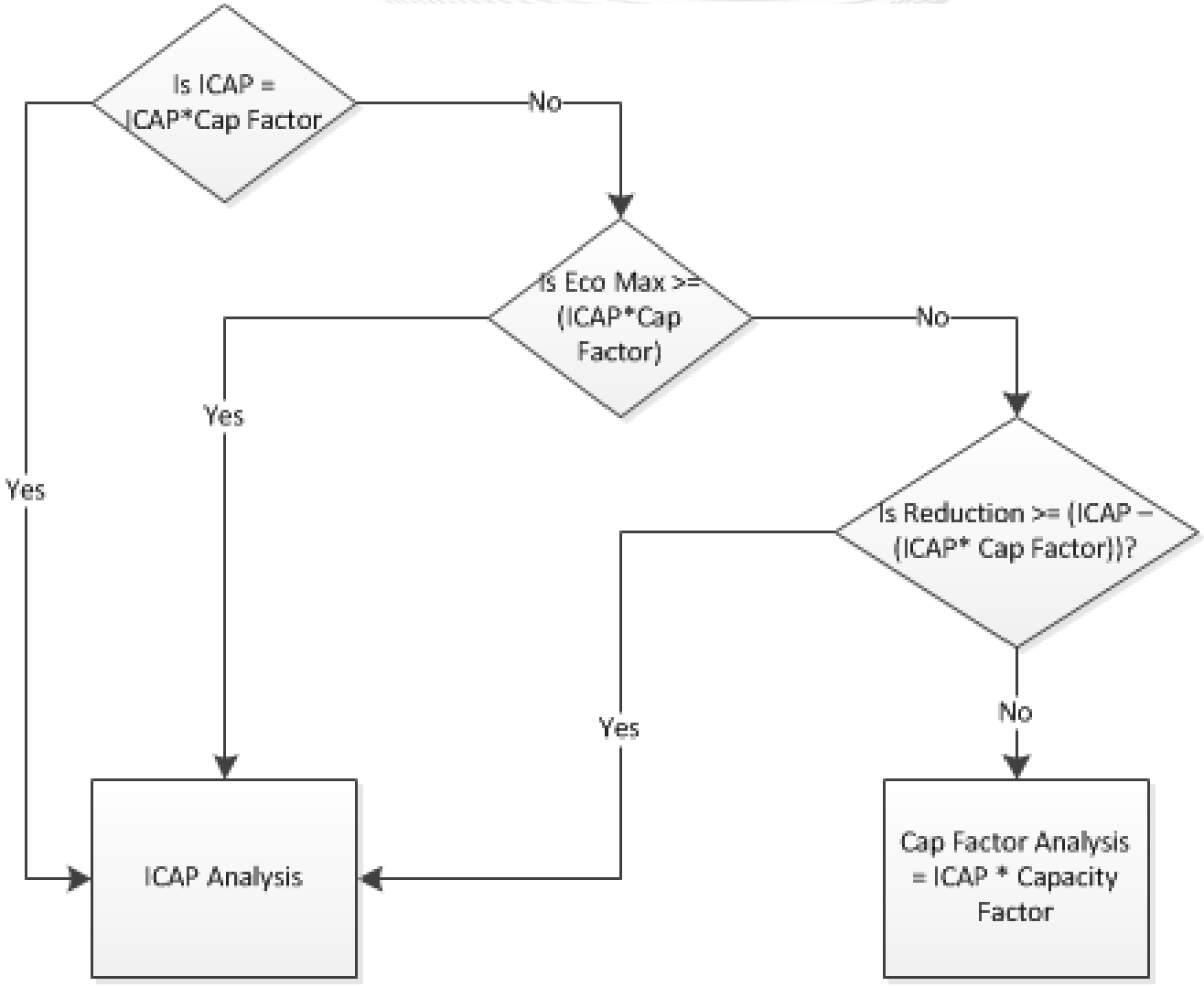
Gen Checkout Wind Example



Wind Unit
eDART ICAP = 1000 MWs
Cap Factor Wind = 13%
ICAP * Cap Factor = 130 MWs

Eco Max = 100 MWs
Outage = 200 MWs

Gen Checkout will use Cap Factor Analysis

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Questions

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