

# NISL and Nodal Shadow Price Reports

Intertie Jurisdictional Trading Standing Committee  
June 3, 2008



- Two new pieces of information will be available to Market Participants June 4, 2008
- NISL Shadow Prices and ICP for each intertie
  - A new report will be located on the public report site
  - <http://reports.ieso.ca/public/NISLShadowPrices>
- Intertie Nodal Prices
  - Will be added to current report on the public report site
  - <http://reports.ieso.ca/public/PredispShadowPrices>

# NISL Shadow Price Report

## Net Interchange SL Report

[Help](#)

Created at May 20, 2008 13:18:59 p.m.  
For May 20, 2008

Interchange	Type	Dollars per MW for Hour																							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
MBSI	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2156.81	-2156.81	0.00	0.00
MISI	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MNSI	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NYSI	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PQBE	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PQDA	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PQDZ	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PQHA	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PQHZ	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.74	27.97	0.00
PQPC	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31
	ICP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NISL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2928.76	4356.00	0.00	50.53	-15954.74	-22.88	0.00	0.00	0.00	0.00	-24.31

- Hourly Data for each predispatch run.
- Will contain calculated Shadow Prices when NISL is binding
  - NISL Shadow Price = Richview Price – external price set due to binding NISL constraint
    - i.e HE 17 Richview Price = \$194.98, Roseton Import @ 144.95 sets external price due to binding NISL. NISL Shadow Price =  $194.98 - 144.45 = \$50.53$
  - External Price due to binding NISL constraint could be changed by certain penalty functions – i.e if firm exports are cut a penalty function of \$16 000 is applied
    - i.e HE 18 Roseton Firm Export was cut for NISL (applies a penalty function of \$16 000)
- Will contain ICPs for each interite
  - ICP = Pre-dispatch Intertie Zone Price - Pre-dispatch Ontario Price
    - i.e HE 21 @ PQHZ Richview Price = 25.76, Kipawa hit export limit sets price at PQHZ = \$45.99. ICP=  $45.99 - 25.76 = \$23.74$

- Will be added to existing Predispatch Shadow Price Report
- Will currently only be seen in the .csv file and will be coded into the .xml files in the next release
- One node will be listed for all sink and source resources as follows:

-EC.MARITIMES

-MB.SEVENSISTERS

-MB.WHITESHELL.CAN

-MB.WHITESHELL.US

-MI.LUDINGTON

-MN.INTFALLS.CAN

-MN.INTFALLS.US

-NY.ROSETON

-PQ.BEAUHARNOIS

-PQ.BRYSON

-PQ.KIPAWA

-PQ.MACLAREN

-PQ.MASSON

-PQ.PAUGAN

-PQ.QUYON

-PQ.RAPIDDESISLE

-WC.PRAIRERANGES