



# Niagara Development,

PROJECT LOCATION:  
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Consulting Contracting Development Acquisition

Fall - 2010

## PRIVATE TREATY OFFERING

Former Niagara "NewPage" Mill - Equipment Sales

Contact: Eric J. Spirtas TODAY - 314.780.3742 / [ericspirtas@ejspirtasgroup.com](mailto:ericspirtas@ejspirtasgroup.com)

### EQUIPMENT TYPE:

## STEAM TURBINE

Specific Name

General Electric Steam Turbine-Generator

Turbine No. 164030

Generator No. 8328468

- 9375KW
- 3600rpm
- 14 Stage
- 450 PSIG
- Temp. 675 F
- Exhaust Pressure 2.0 in HG ABS

- 2 Poles
- 60 Cycles
- Air Cooled
- 4160 V
- KVA: 12500
- Stator Amperes: 1735
- Field Amperes: 158

### STEAM CONDITIONS:

- Throttle: *Mt = 135kpph*
- Extraction: *Mext = 77kpph*
- Absolute pressure: *(Barometric pressure) - (Turbine vacuum)*
- Throttle: *Header pressure = 427*
- Extraction: *53.6 psi*
- Absolute pressure: *PO = 29.96-27.6 = 2.36Hg absolute*
- Throttle: *Header temperature = 670 degrees F.*
- Extraction: *347 degrees F.*
- Power output : *8756KW 78% efficiency*

### ATTACHMENTS:

- Design Data
- Performance Curves
- Steam Path Drawing
- Mechanical Drawing



Steam Turbine & Generator



Steam Turbine Rotor



Generator Rotor

Respectfully Submitted  
Niagara Development, LLC

Eric J. Spirtas  
President