

# Water/Wastewater Treatment & Compliance Energy Initiatives & Savings

Operations Committee Update



# Rebates & Incentives

- ▶ Independent Electricity System Operator (IESO) Industrial Accelerator Program (IAP) provides incentives to encourage investment in process changes and equipment retrofits to:
  - ▶ Reduce electrical consumption, and;
  - ▶ Help organizations become more competitive.
- ▶ Since 2012, a number of initiatives have been completed at both water and wastewater facilities, resulting in significant rebates.

# Rebates & Incentives

Facility	Rebates Received
Wanapitei Water Treatment Plant	\$ 111,773
David St. Water Treatment Plant	\$ 31,410
Sudbury Wastewater Treatment Plant	\$ 244,000
Azilda Wastewater Treatment Plant	\$ 42,471
Chelmsford Wastewater Treatment Plant	\$ 11,879
Valley East Wastewater Treatment Plant	\$ 10,000
Coniston Wastewater Treatment Plant	\$ 10,000
Levack Wastewater Treatment Plant	\$ 2,780
Dowling Wastewater Treatment Plant	\$ 2,252
<b>Total Rebates Received</b>	<b>\$ 466,565</b>

# Sudbury Wastewater Treatment Plant



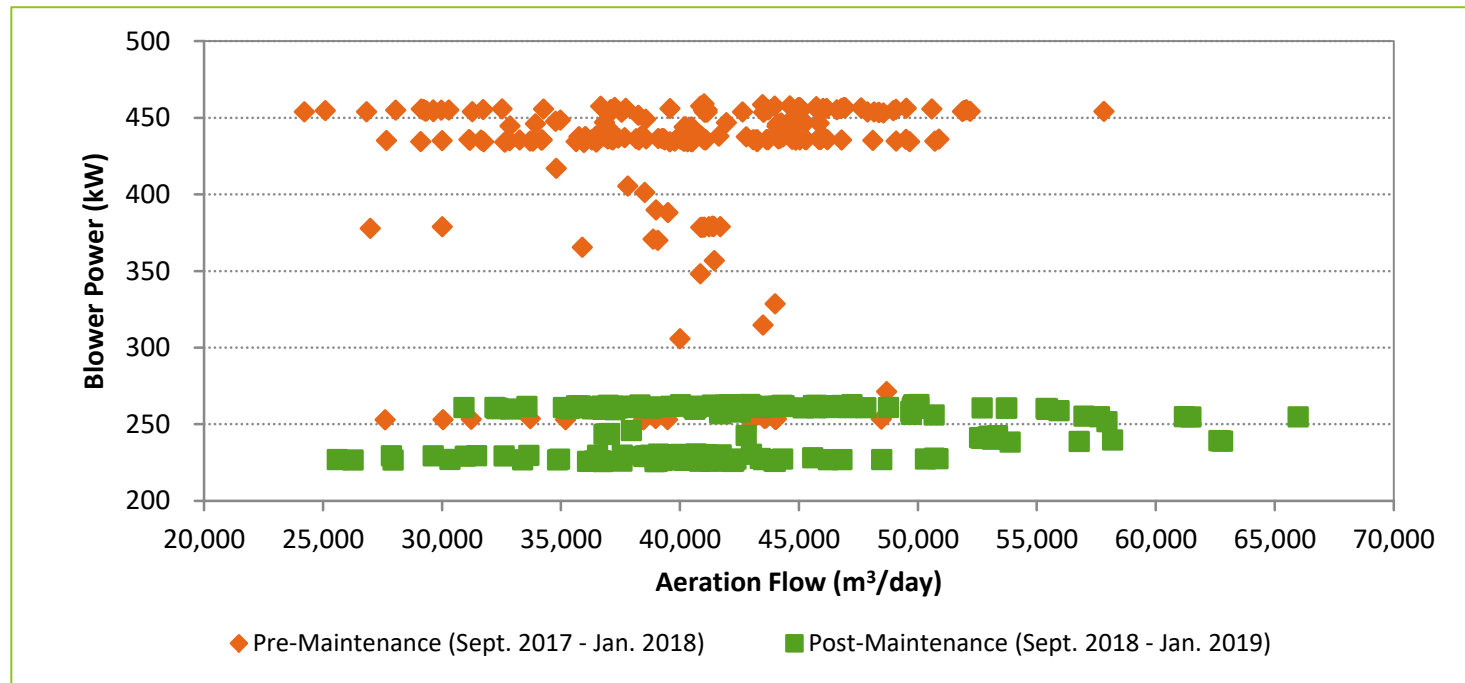
- ▶ Largest Wastewater Treatment Facility in the City of Greater Sudbury
- ▶ Services approximately 95,000 residents

## 2018 Data:

- ▶ Average Flow: 49,300 m<sup>3</sup>/day
- ▶ Peak Flow: 125,800 m<sup>3</sup>/day
- ▶ Annual Flow: 18,007,000 m<sup>3</sup>

# Sudbury Wastewater Treatment Plant Operational Savings

- Estimated \$180,000 annual savings as a result of preventative maintenance programs



# Sudbury Wastewater Treatment Plant Electricity Billing - Cost Avoidance

- ▶ Global adjustment (GA) is the portion of total electricity costs that contributes to building new infrastructure, maintaining existing resources and funding conservation and management programs across Ontario.
  - ▶ GA charges represent a significant amount of total electrical costs for CGS operating facilities.
  - ▶ The factor used to calculate GA can be reduced through participation in the Industrial Conservation Initiative (ICI)
- ▶ 2017 cost avoidance: \$211,900
- ▶ 2018 cost avoidance: \$298,700

# Sudbury Wastewater Treatment Plant Electricity Billing - Cost Avoidance

