

Protecting and restoring the waters

*What must a city do
that no one else
can do ?*

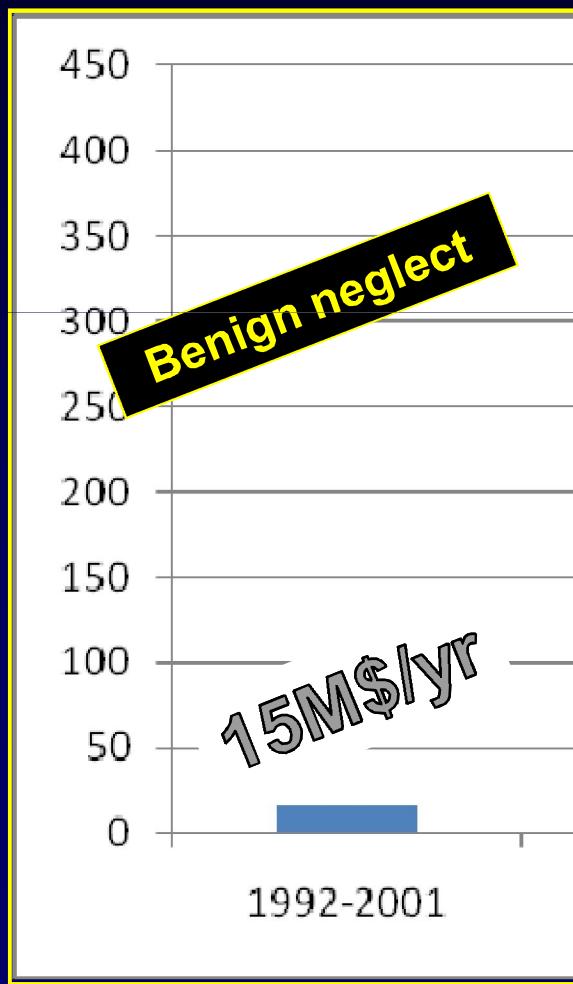
The Montreal case

Protecting and restoring the waters

*What must a city do
that no one else
can do ?*

The Montreal case

Montreal 1992-2012 : Water-related investments



$$\text{\$ / yr} \quad = \quad \frac{\text{Value (\$)}}{\text{Life expectancy (yrs)}}$$

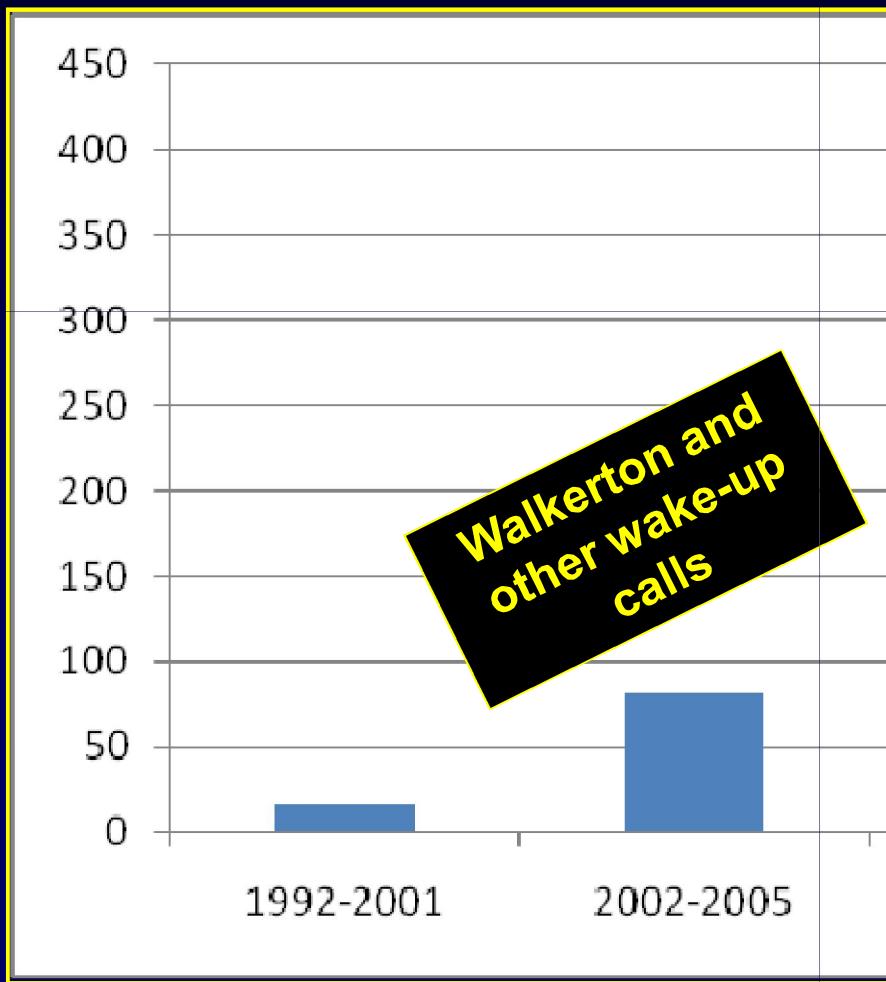
$$300\text{M\$ / yr} \quad = \quad \frac{30\text{G\$}}{100 \text{ yrs}}$$

Montreal 1992-2012 : Water-related investments



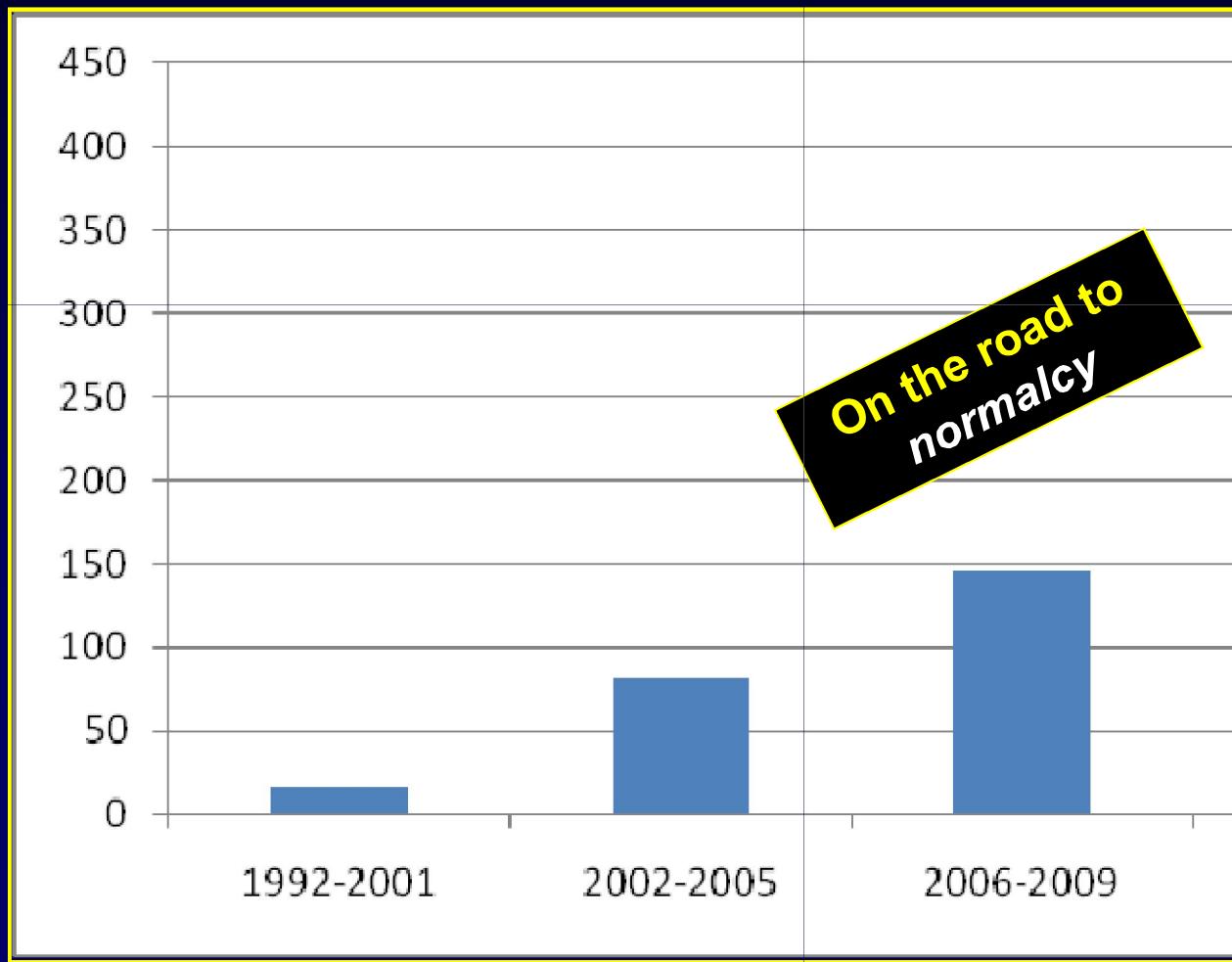
Needed:
4G\$ MORE!!!

Montreal 1992-2012 : Water-related investments

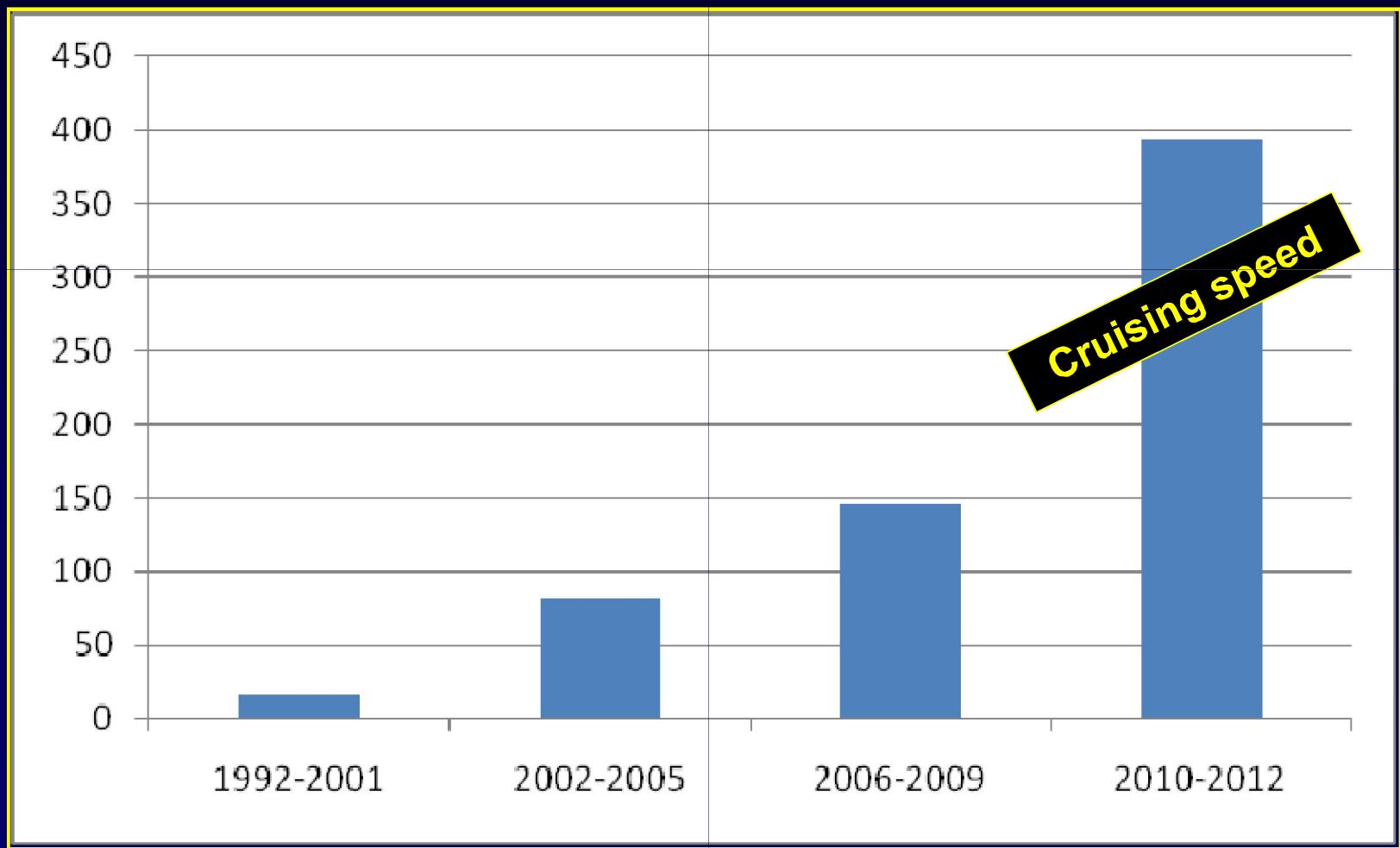


**Needed:
300M\$ MORE
per year**

Montreal 1992-2012 : Water-related investments



Montreal 1992-2012 : Water-related investments



Wastewater : To disinfect or not to disinfect



Wastewater : To disinfect or not to disinfect



Wastewater : To disinfect or not to disinfect

... in comes ozone

No disinfection



Mortality rate : 12%

UV disinfection



Mortality rate : 36%

Ozone disinfection



Mortality rate : 0%

Wastewater : To disinfect or not to disinfect

... in comes ozone

No disinfection



UV disinfection



Investment : 130-155M\$
Annual ops.: 8-9M\$

Ozone disinfection



Investment : 150-192M\$
Annual ops.: 9-10M\$

Young people helping out

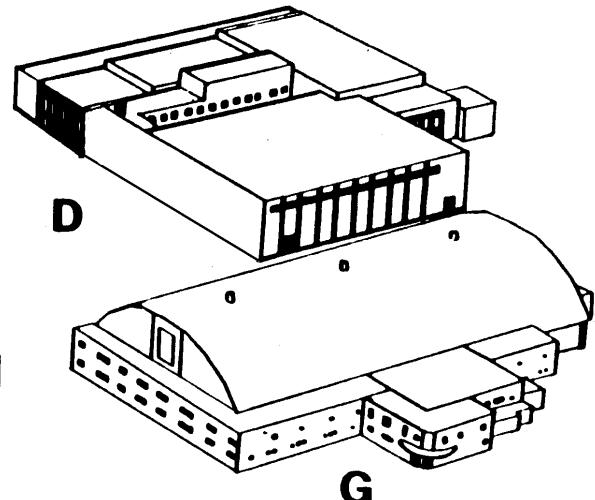
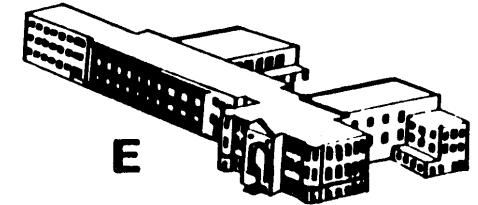
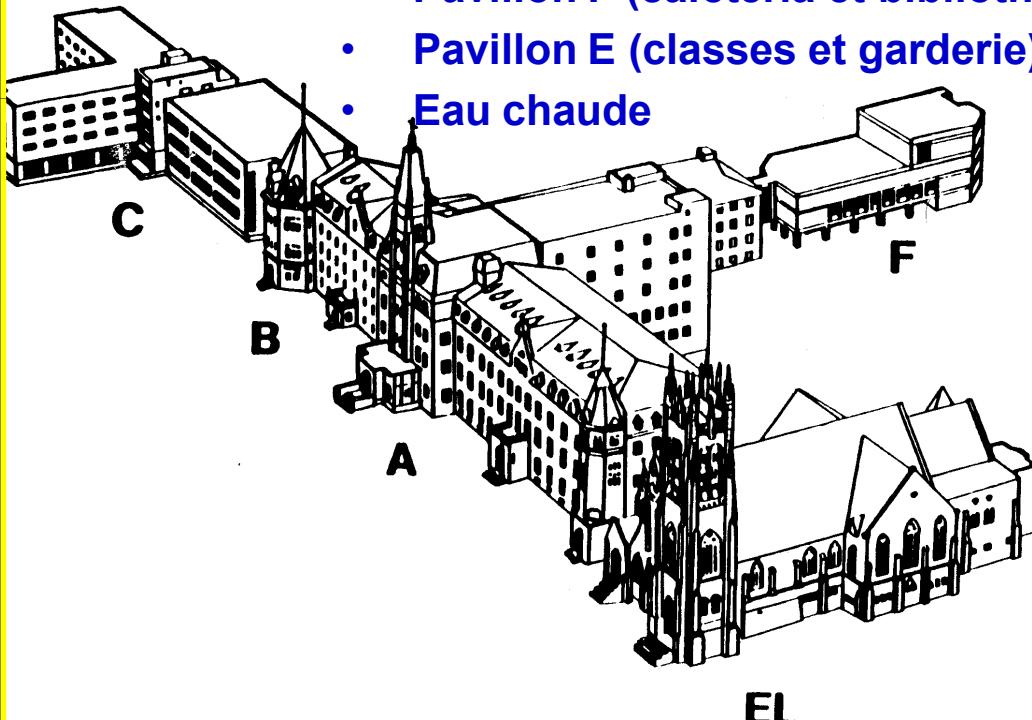
The *Cégep de Saint-Laurent* experiment



Young people helping out

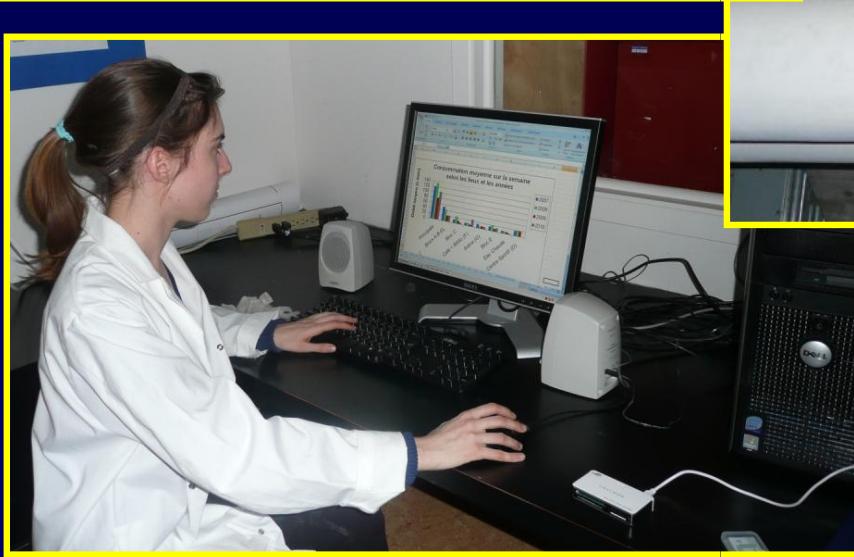
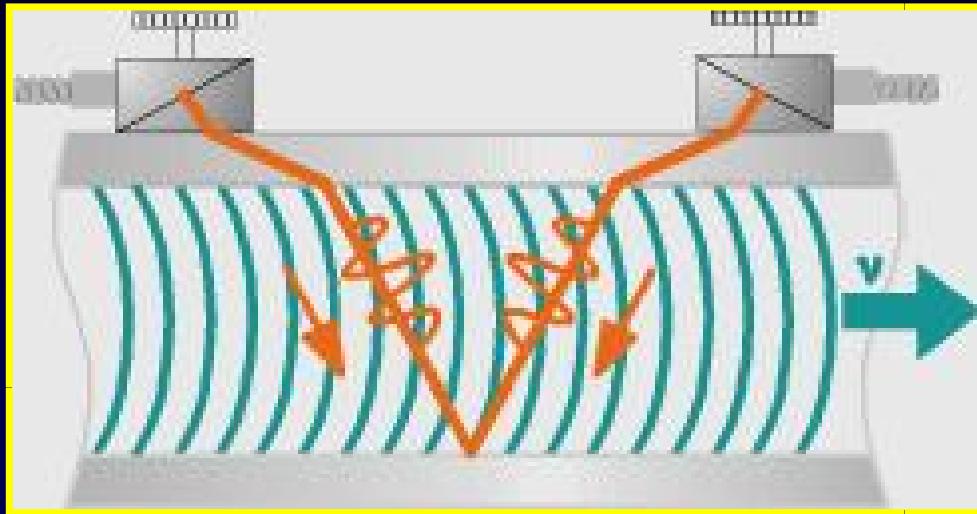
The Cégep de Saint-Laurent experiment

- Pavillons A, B (classes) & Émile Legault (salle de spectacle)
- Pavillon C (classes)
- Pavillon G (aréna)
- Pavillon D (centre sportif)
- Pavillon F (cafétéria et bibliothèque)
- Pavillon E (classes et garderie)
- Eau chaude



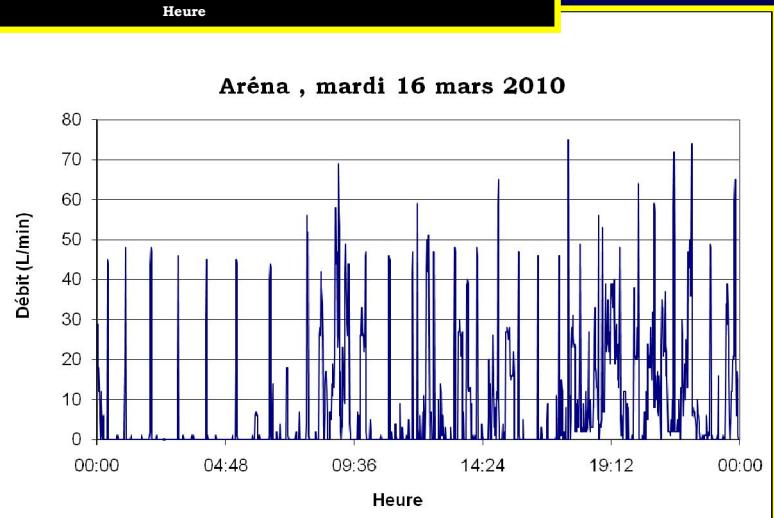
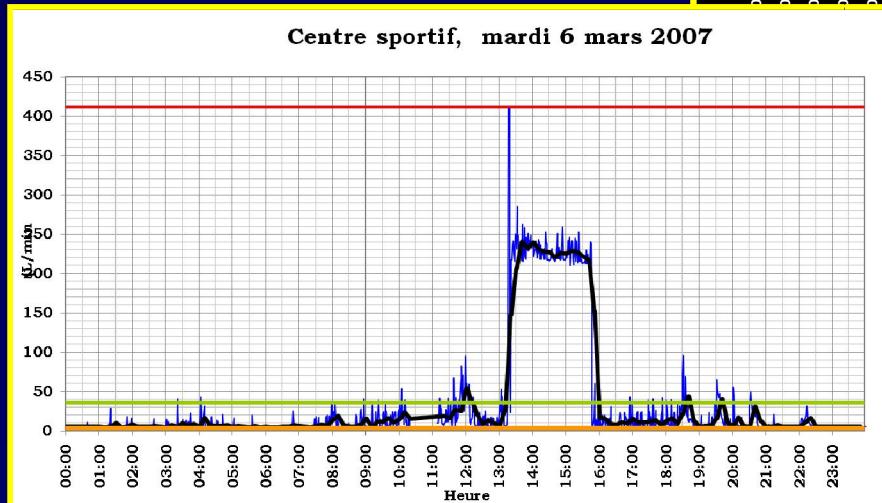
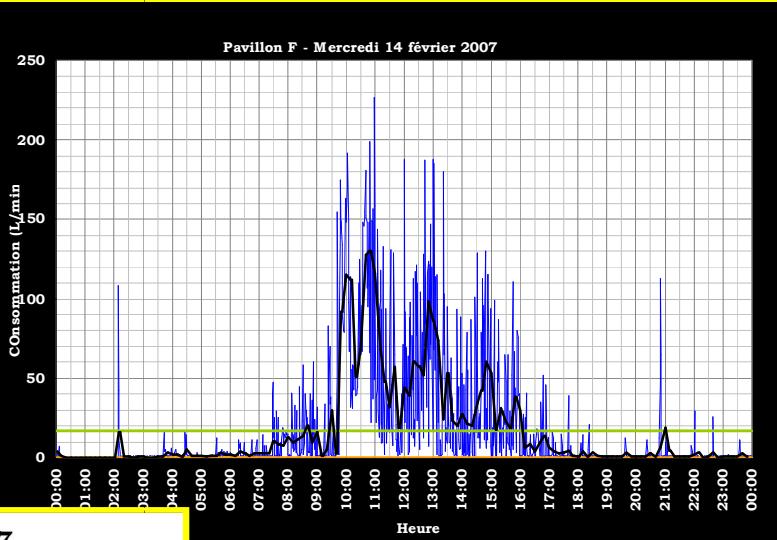
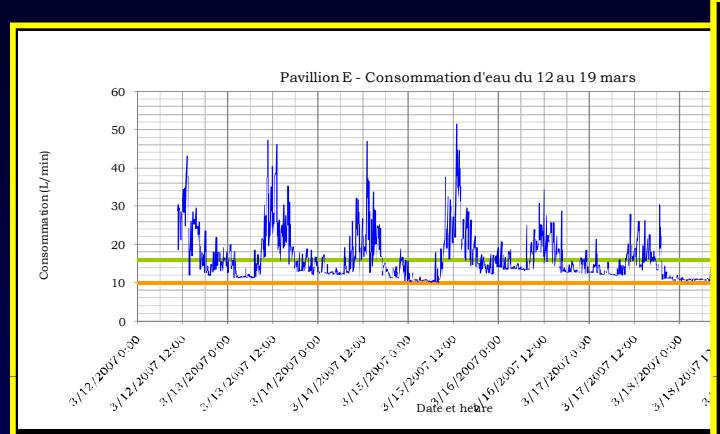
Young people helping out

The Cégep de Saint-Laurent experiment



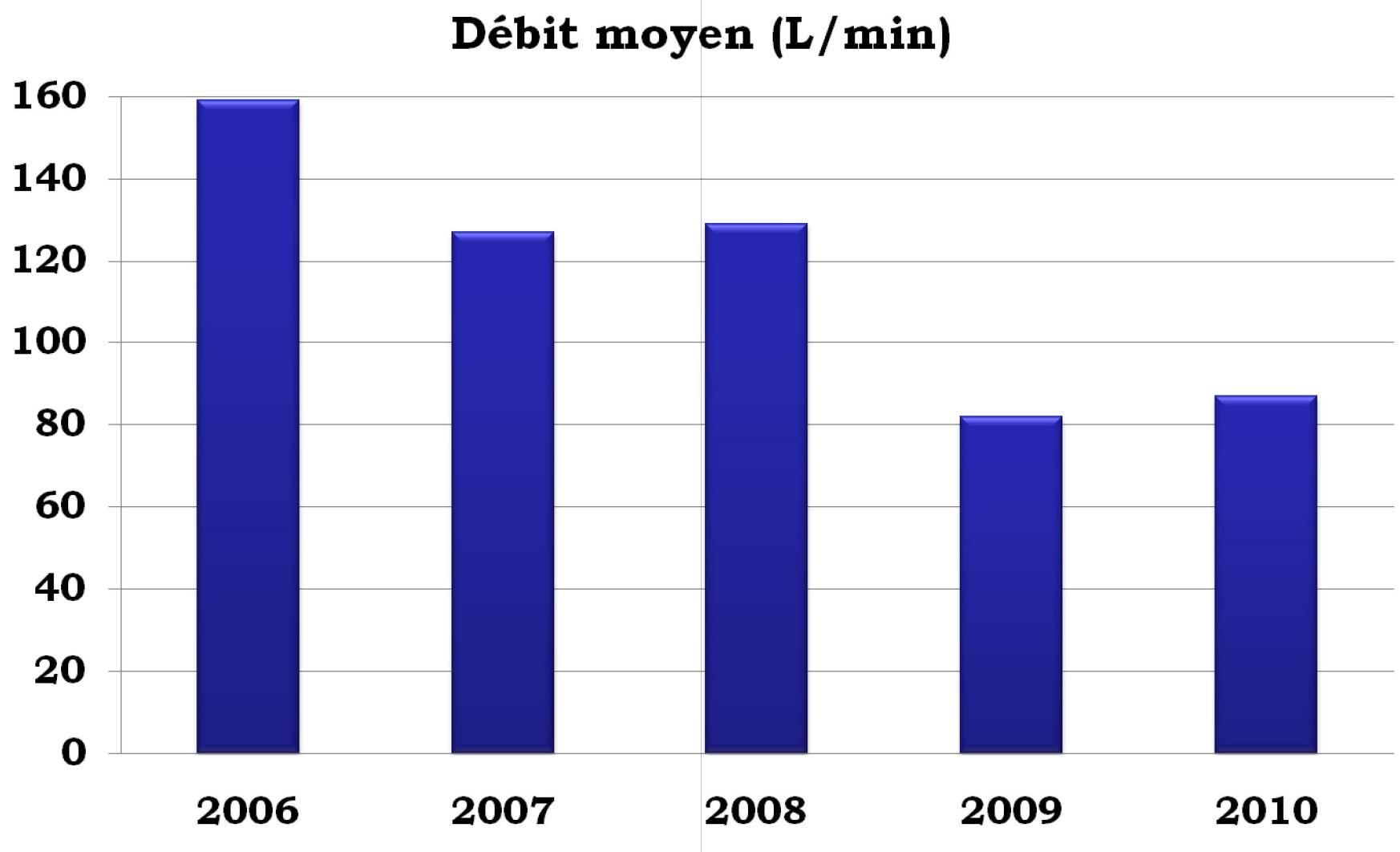
Young people helping out

The Cégep de Saint-Laurent experiment



Young people helping out

The Cégep de Saint-Laurent experiment



Protecting and restoring the waters

Let's not give up on young people.

Let's not give up on any people.

Let's never give up.

The Montreal case