

# Technical Workshop of the CWRA – Quebec Branch Intensity-Duration-Frequency Curves (IDF) : Perspectives and Future Challenges

Thursday, May 6th 2010 ● Holiday Inn Midtown, Montreal

Intensity-Duration-Frequency curves (IDF) are an essential tool for water professionals who design or manage drainage systems and related hydraulic structures. Most stakeholders agree that these curves require to be updated in the wake of the numerous extreme events that have occurred in recent years and with the expected climate evolution.

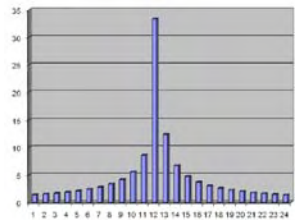
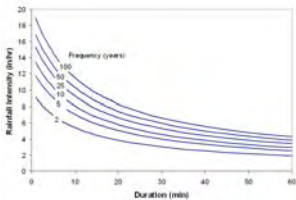
In order to answer some of these questions and to provide insight in the state of the art, the Québec Branch of the CWRA has decided to organize a workshop on IDF curves and the characterization of important rain events, with a view to improve design and management of drainage systems and their associated water works.

### Workshop Program :

- Meteorological measurement networks
- Available archive data
- IDF curves calculations
- IDF curves update
- Use of IDF curves in design
- Radar images as a tool to characterize intense rainfall
- IDF curves and design in the context of climate change
- National Guidelines for Intensity Duration and Frequency Climate Data Curves

### Invited Speakers :

- Mrs Catherine Savard, MDDEP
- Mr. Philip Jarrett \*, Environment Canada
- Mrs Sophie Duchesne, INRS-ETE
- Mr. Gilles Rivard, Aquapraxis;
- Mr. Vincent Fortin, Env. Canada
- Mr. Alain Mailhot, INRS-ETE
- Mrs Joan Klaassen \*, Env. Canada  
 (\*these talks will be in english)



**CWRA is an association that promotes effective water management throughout Canada.**



### Who should attend to the workshop ?

- Federal, provincial and municipal water resources managers;
- Engineers and professionals from the public and private sectors;
- Researchers and students;
- Managers of water works and hydraulic structures;
- Drainage system products manufacturers and distributors.

### Additional Informations :

For more informations about the workshop, please contact Mr. André Carpentier :  
 (418) 521-3825 #7108  
 andre.carpentier@mddep.gouv.qc.ca

### LODGING

Please contact the Holiday Inn Midtown - Montreal, for information on room reservation or consult the web site :

www.holidayinn.com

(514) 842-6111

1 877 660 8550

### Workshop Registration Cost <sup>(1)</sup> :

- CWRA regular member : 120\$
- Professionnals non member : 145\$
- CWRA student member : 70\$
- Student, non member : 80\$

<sup>(1)</sup> All prices subject to applicable taxes (PST, QST)

### This workshop will be held at:

Holiday Inn Midtown  
 La Plaza Reception Hall  
 420, Sherbrooke West  
 Montreal, Quebec



The registration form is on the next page and is also available on the CWRA web site:

www.cwra.org



# Intensity-Duration-Frequency Curves (IDF) : Perspectives and Future Challenges

**Thursday May 6 2010 - Montreal**

Holiday Inn Midtown  
 La Plaza Reception Hall  
 420, Sherbrooke West  
 Montreal, Quebec

### REGISTRATION FORM

The completed registration form may be returned by email, fax or mail to :

✉ [andre.carpentier@mddep.gouv.qc.ca](mailto:andre.carpentier@mddep.gouv.qc.ca)

☎ (418) 644-7100

✉ Mr. André Carpentier,  
 Centre d'Expertise hydrique du Québec  
 675 blvd. René-Lévesque East,  
 Aile René-Lévesque, 2<sup>nd</sup> Floor Box 28  
 Quebec (Quebec) G1R 5V7

### REGISTRATION & IMPORTANT DATES

Registration form must be received before **April 23<sup>rd</sup>, 2010**. On-site registration may be possible, if sufficient places, on **May 6** between 8h & 9h.

For more informations about your registration to the workshop, please contact Mr. André Carpentier:  
 Tél. : (418) 521-3825 #7108  
 ✉ [andre.carpentier@mddep.gouv.qc.ca](mailto:andre.carpentier@mddep.gouv.qc.ca)

### PRELIMINARY PROGRAM

The worksoop program is subject to change without notice. Please check the CWRA web site ([www.cwra.org](http://www.cwra.org)) for invited speakers and the latest workshop program.

### YOUR REGISTRATION TO THE WORKSHOP ALSO INCLUDES :

Continental breakfast (8h @ 9h), coffee breaks (AM & PM) and lunch (hot buffet).

### CANCELATION POLICY

All cancellations received before April 23<sup>rd</sup>, 2010 will be subject to a \$30 processing fee. Your cancellation request must be sent by email to Mr. André Carpentier:

✉ [andre.carpentier@mddep.gouv.qc.ca](mailto:andre.carpentier@mddep.gouv.qc.ca)

This registration form is also available on the CWRA web site :

✉ [www.cwra.org](http://www.cwra.org)

## Registration Form

### REGISTRANT INFORMATION

(\* Required Fields)

Mr.  Mrs

\*First Name:

\*Last Name:

Title:

Organization:

\*Address:

\*City:

\*Province/State:

\*Country:

\* Postal Code:

\*Phone #1:

Phone #2:

\*Email:

If you have special dietary requirements or any disabilities, please write it below:

### WORKSHOP REGISTRATION COST

CWRA regular member : 120\$

CWRA student member : 70\$

Professional non member : 145\$

Student non member : 80\$

Registration : \_\_\_\_\_ \$

PST (5%) : \_\_\_\_\_ \$

Subtotal : \_\_\_\_\_ \$

QST (7,5%, Quebec residents only) : \_\_\_\_\_ \$

**Total :** \_\_\_\_\_ \$

### PAYMENT OPTIONS

Visa  Mastercard  Check  Invoice

Credit Card Holder:

Credit Card Number:

Expiry Date (MM/YY): \_\_\_\_\_

Signature: