

Carrier Simulation Weather Data

Region 5: Canada

v4.00

Release Sheet

DATA DESCRIPTION

This internet download file contains hourly simulation weather data for 42 cities in Canada. Hourly simulation weather data is used by Carrier programs for energy simulations and equipment performance calculations. Currently the data is used by the Hourly Analysis Program (HAP) v4 and Chiller System Optimizer v2. Cities included in this download file are:

Alberta	Manitoba	Nunavut Territory	Prince Edward Island
Calgary (CWEC)	Churchill (CWEC)	Resolute (CWEC)	Charlottetown (CWEC)
Edmonton (CWEC)	Winnipeg (CWEC)	Ontario	Quebec
Medicine Hat (CWEC)	New Brunswick	London (CWEC)	Montreal (CWEC)
British Columbia	Fredericton (CWEC)	Muskoka (CWEC)	Quebec City (CWEC)
Abbotsford (CWEC)	Saint John (CWEC)	North Bay (CWEC)	Schefferville (CWEC)
Comox (CWEC)	Newfoundland	Ottawa (CWEC)	Saskatchewan
Fort St. John (CWEC)	Goose (CWEC)	Sault Ste. Marie (CWEC)	Estevan (CWEC)
Kamloops (CWEC)	St. Johns (CWEC)	Thunder Bay (CWEC)	North Battleford (CWEC)
Prince George (CWEC)	Stephenville (CWEC)	Toronto (CWEC)	Regina (TMY)
Prince Rupert (CWEC)	Northwest Territories	Trenton (CWEC)	Yukon Territory
Sandspit (CWEC)	Yellowknife (CWEC)	Windsor (CWEC)	Whitehorse (CWEC)
Smithers (CWEC)	Nova Scotia		
Summerland (CWEC)	Sable Island (CWEC)		
Vancouver (CWEC)	Shearwater(Halifax)(CWEC)		
Victoria (CWEC)			

Key:

CWEC = Canadian Weather for Energy Calculations – actual hourly data for temperature, humidity, solar. Suitable for both HAP and System Optimizer
 TMY = Typical Meteorological Year – actual hourly data for temperature, humidity and solar. Suitable for both HAP and Chiller System Optimizer

INSTALLATION PROCEDURE

Use the following procedure to download and install the data:

- Download the file from the Internet site and save it in a folder on your hard disk. We recommend saving to the \E20-II\WEATHER folder.
- Run Windows Explorer and double-click on the file you downloaded. This launches the self-extraction process. In the extraction dialog specify the destination for the extracted data. We recommend extracting files to the \E20-I\WEATHER folder on the drive where HAP or Chiller System Optimizer is installed as this is where the programs will look for the data by default.
- After files have been extracted, the original download file can be erased.
- Simulation weather files are now ready to use with the software.

Note:

- This weather data requires approximately 2.9 MB of hard disk space.



**SOFTWARE
SYSTEMS
NETWORK**

Carrier Software Systems
 Syracuse, NY, USA
 1-800-253-1794
 software.systems@carrier.utc.com