User Guide Addendum for PC-PUMP V2.67

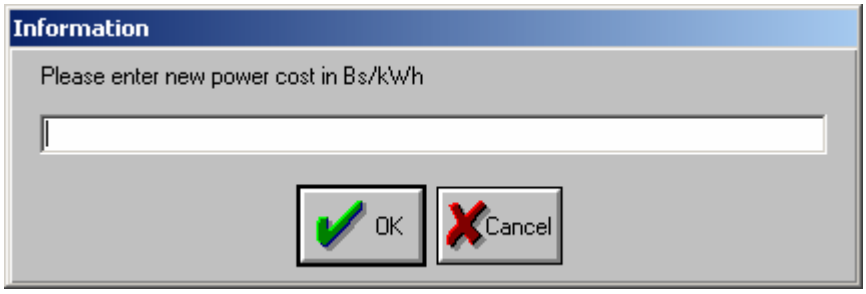
Please refer also to the **PC-PUMP** User Guide (V2.63) , the V2.64 User Guide Addendum, the V2.65 User Guide Addendum, and the V2.66 User Guide Addendum.

International Settings

In earlier versions of **PC-PUMP**, the international settings in Microsoft Windows (as set in the Windows Control Panel) caused problems with all spreadsheet-type displays in the program, if the decimal was "," instead of ".". This has been corrected in V2.67. In dealing with the international settings, the issue of currency was also addressed. Previously, power cost was entered in ¢ per kWh, and reported in the output as $/day. **PC-PUMP** now recognizes international settings for currency; this has a couple of implications:

First, if you are upgrading from an earlier version, and if your currency setting is in "$", **PC-PUMP** will determine the power cost in $ per kWh by dividing the power costs in ¢ per kWh specified in the preferences window by 100. No user interaction is required for this; it happens automatically.

Second, if your currency setting is not in "$", but in another local currency (e.g. Bs, £, €, etc.), **PC-PUMP** V2.67, when run for the first time, will give a message like the one below (which is for Venezuelan settings).

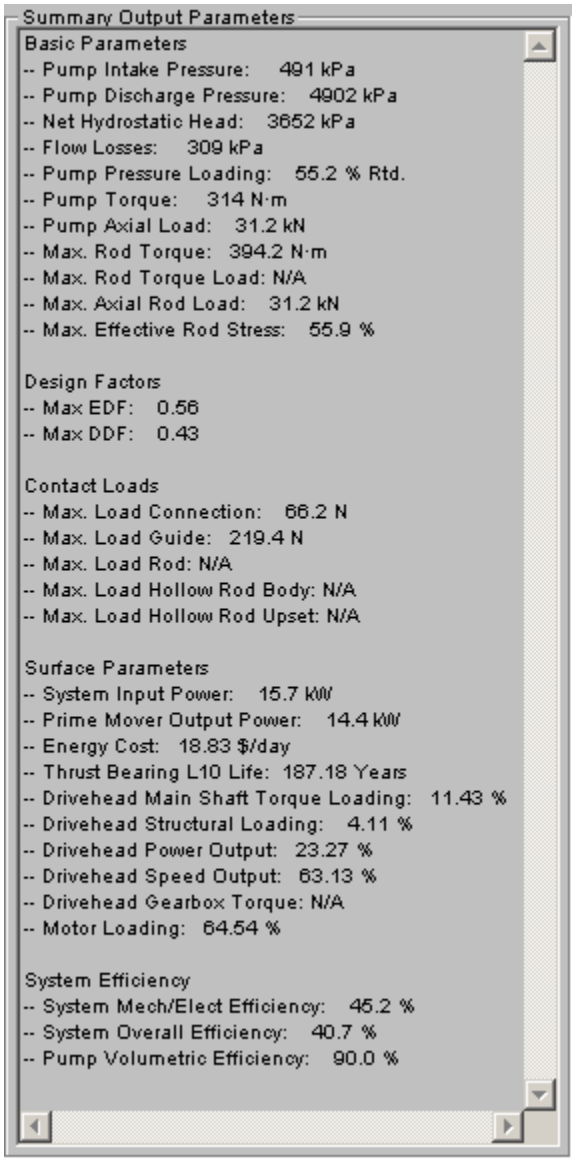


You will need to enter an appropriate number in your local currency and click OK. The value entered is stored in **PC-PUMP** and can later be changed, if necessary, in the *Preferences* window.

Note that if you are sharing files with other users with different international settings, the power costs may not be correct. For example, if you save a file where the power cost is in $/kWh, and send it to a colleague in Venezuela, that person will get results in Bs/day, but at a conversion of 1 B = $1. This issue will be addressed in a future version of **PC-PUMP**.

Summary Output Parameters

There are more parameters listed in the Summary Output Parameters section in the *Analysis Outputs* window. To make room for these, the format has changed. Its new form is shown below:



If your screen is not large enough to show all of these, you can use the scroll bars to view the complete list.

Batch Comparisons

There are several new batch comparison parameters available:

- If diluent injection is being used: diluent rate and diluent viscosity
- In multiphase mode: GOR, GLR, BS&W
- In single-phase mode: Water Cut