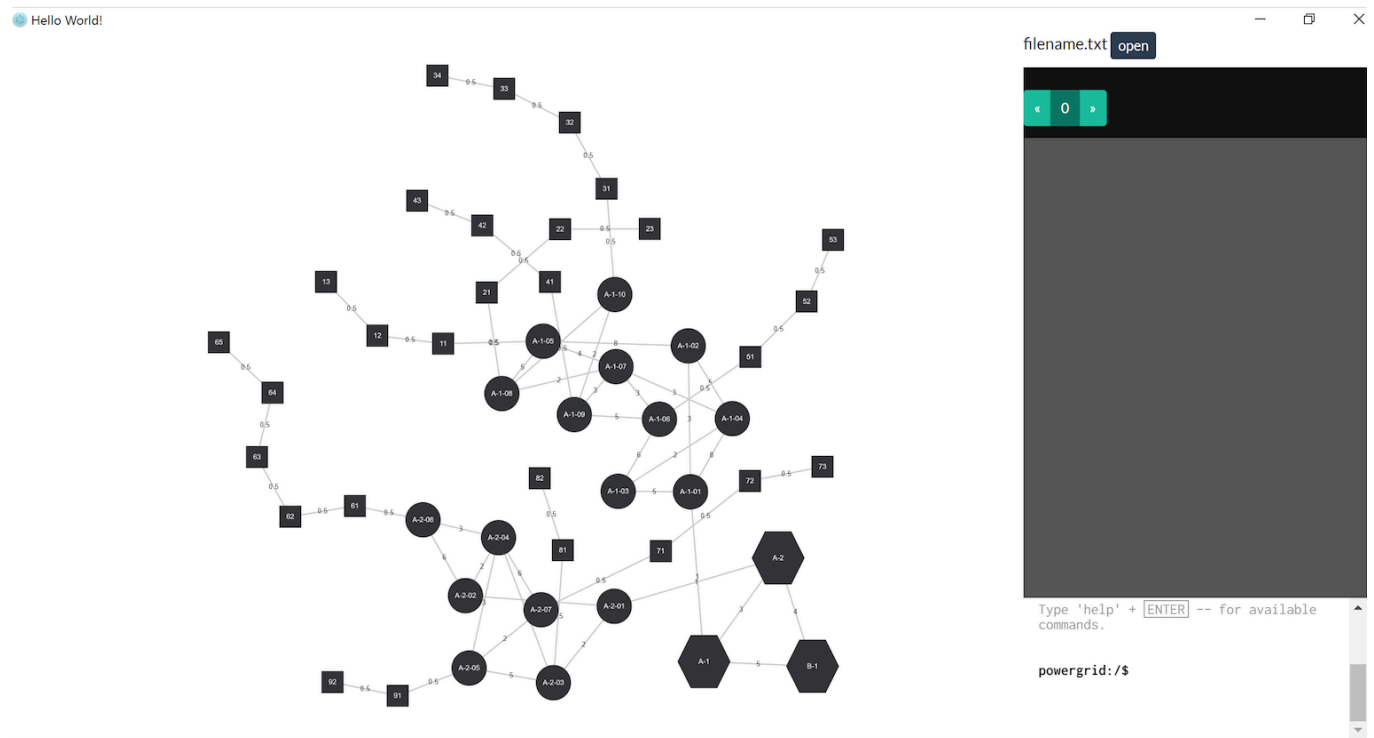


# PWR - User Guide

## OEC Programming Competition 2017

### University of Waterloo A

PWR is software designed for Canadian power companies, allowing for the monitoring of energy flow through generators, control nodes, and houses.



The main UI features a field allowing the user to load a text file outlining user data. The grid is loaded as a graph on the main page, with appropriate labels for house numbers, control nodes, generators, and wire lengths.

The shortest path between any two points in the power grid (ie. a generator and a house) can be found by selecting start and end points on the interactive interface. The inspector panel on the right displays costs, profits, and other relevant data based on the selection. The user can tab between hours through the buttons in the inspector.

There is also a console featured in the bottom right, through which various commands can be run, such as disabling wires.