Pymgrid report/slide pack – compare to existing simulators as well. (Report, less than three pages).

Separate nome report – short. (Less than three pages).

**Pymgrid report**

What it does

How it does it

Why it is better than the competition

Example use case

*Pymgrid* is an open-source simulator for tertiary control of microgrids.

**Find two comparisons.**

In tertiary control, \_\_\_\_\_\_\_

Pymgrid comes packaged with two types of control algorithms – rule based and model predictive control. Rule based control is effectively a heuristic algorithm; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In model predictive control, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In addition, pymgrid provides APIs that are able to be used directly in reinforcement learning algorithms. In reinforcement learning, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The advantage of reinforcement learning over comparable algorithms is that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Pymgrid allows implementation of simple as well as sophisticated energy generation and consumption models. Users are able to define