Cost of Operations and Cycling Optimization (COCO) Model

Release 0.0.1

Feb 27, 2020

Contents:

CHAPTER 1

Generation Plant Cost of Operations and Cycling Optimization (COCO) Model

1.1 Project Objectives

COCO project will develop a model to accurately estimate the cost of cycling large coal plants so that they can be operated efficiently as part of a comprehensive strategy for generation planning and dispatch.

1.2 Technical Scope Summary

PNNL work scope is divided into two tasks:

1. Support data-driven modeling of the cycling cost by developing improved machine learning models and a method to optimize boiler cycling for cost efficiency,
2. Modeling integration and testing. The specific details of each task are provided below.

1.3 Task 1.

1.4 Task 2.

CHAPTER 2

Code documentation

2.1 *config.py*

class config.**config**(*confFile*)

Class to set up the test case configuration.

get_configPath()

Returns the configuration file path.

Returns **configPath**

Return type string, location of configuration file

CHAPTER 3

Indices and tables

- genindex
- modindex
- search

Python Module Index

C

Index

C

G