

Title

John Doe

December 7, 2022

Contents

| | | |
|----------|---|----------|
| 0.1 | Second-order model | 2 |
| 0.2 | Parameter estimation | 2 |
| 0.3 | Model validation | 2 |
| 1 | Revenue streams from flexibility | 2 |
| 1.1 | Ancillary services | 2 |
| 1.1.1 | mFRR | 2 |
| 1.1.2 | FCR | 2 |
| 1.2 | Spot price optimization | 2 |
| 2 | Flexibility modelling | 2 |
| 2.1 | Spot price optimization | 2 |
| 2.2 | mFRR | 2 |
| 2.3 | FCR | 2 |
| 3 | Case studies | 2 |
| 3.1 | Spot price optimization | 2 |
| 3.2 | mFRR | 2 |
| 3.3 | FCR | 2 |
| 4 | Future work | 2 |
| 5 | Conclusion | 2 |

Research questions

0.1 Second-order model

0.2 Parameter estimation

0.3 Model validation

1 Revenue streams from flexibility

1.1 Ancillary services

1.1.1 mFRR

1.1.2 FCR

1.2 Spot price optimization

2 Flexibility modelling

2.1 Spot price optimization

2.2 mFRR

2.3 FCR

3 Case studies

3.1 Spot price optimization

3.2 mFRR

3.3 FCR

4 Future work

5 Conclusion