### **C.4.1 Expected Energy Types and Market Service Types**

In MRTU, the market service types simply represent the various commodities supported by the market that has relationship to Settlement Bid Cost Recovery and compliance calculation. These market service types breakdown is corresponding to the capacity range derived from the ex-post capacity allocation described in D.4

The reason that derate capacity, market energy capacity and day-ahead energy capacity are calculated is to determine spinning reserve and non-spinning reserve capacity because those capacities do affect the ex-post spin and non-spin capacity range. The expected energy within the capacity range of spinning reserve and non-spinning reserve capacities are also referred “spin energy” and “non-spin energy” and used in Compliance for Spin and non-spin No Pay. Market Service types are only used by Compliance for spin and non-spin “no pay” calculations.

They are as it follows,

|  |  |
| --- | --- |
| *SR* | Spinning Reserve Capacity range. |
| *NR*  *ME*  *DAC*  *DEC* | Non-Spinning Reserve Capacity range.  Market Energy Capacity  Day-ahead Capacity  Derated Capacity |

Market Participants will be able to review all Expected Energy Categories in OASIS and CMRI. All energy types can be verified against the Market Participant’s settlements statements to validate both Day Ahead HASP and Real Time Charge Codes. The following matrix outlines how each report shall display the various types of Energy Types. Note that for the definition of the Exceptional Dispatch types, please refer Settlements and Billing BPM for CC6470 – Instructed Imbalance Energy Settlement.

|  |  |  |  |
| --- | --- | --- | --- |
| **Expected Energy Category** | **OASIS** | **CMRI – Expected Energy** | **CMRI – Expected Energy Allocation Details** |
| Day Ahead Scheduled Energy | DASE | DASE | DASE |
| Day Ahead Bid Awarded Energy | DABE | DABE | n/a |
| Day Ahead Self Schedule Energy | DSSE | DSSE | n/a |
| Day Ahead Minimum Load Energy | DMLE | DMLE | n/a |
| Day Ahead Pumping Energy | DAPE | DAPE | n/a |
| Base Schedule Energy | BASE | BASE | BASE |
| Total Expected Energy | TEE | TEE | n/a |
| Optimal Energy1 | OE | OE | OE |
| Standard Ramping Energy | SRE | SRE | SRE |
| Ramping Energy Deviation | RED | RED | RED |
| RMR Energy | RMRE | RMRE | n/a |
| Residual Energy | RE | RE | RE |
| Minimum Load Energy1 | MLE | MLE | MLE |
| Pumping Energy1 | PE | PE | n/a |
| Real Time Self Scheduled Energy | RTSSE | RTSSE | RTSSE |
| OMS Energy1 | SE | SE | SE |
| MSS Load Following Energy | MSSLFE | MSSLFE | MSSLFE |
| Exceptional Dispatch Energy1 | TMODEL | EDE | TMODEL |
| Exceptional Dispatch Energy -TMODEL 11 | TMODEL1 | EDE | TMODEL1 |
| Exceptional Dispatch Energy – TMODEL21 | TMODEL2 | EDE | TMODEL2 |
| Exceptional Dispatch Energy – TMODEL31 | TMODEL3 | EDE | TMODEL3 |
| Exceptional Dispatch Energy – TMODEL41 | TMODEL4 | EDE | TMODEL4 |
| Exceptional Dispatch Energy – TMODEL51 | TMODEL5 | EDE | TMODEL5 |
| Exceptional Dispatch Energy – TMODEL61 | TMODEL6 | EDE | TMODEL6 |
| Exceptional Dispatch Energy – TMODEL71 | TMODEL7 | EDE | TMODEL7 |
| Exceptional Dispatch Energy - SYSEMR1 | SYSEMR | EDE | SYSEMR |
| Exceptional Dispatch Energy – SYSEMR11 | SYSEMR1 | EDE | SYSEMR1 |
| Exceptional Dispatch Energy - TEMR1 | TEMR | EDE | TEMR |
| Exceptional Dispatch Energy - RMRR1 | RMRR | EDE | RMRR |
| Exceptional Dispatch Energy - RMRS1 | RMRS | EDE | RMRS |
| Exceptional Dispatch Energy - RMRT1 | RMRT | EDE | RMRT |
| Exceptional Dispatch Energy - NonTModel1 | NonTMod | EDE | NonTMod |
| Exceptional Dispatch Energy – TORETC1 | TORETC | EDE | TORETC |
| Exceptional Dispatch Energy – TORETC11 | TORETC1 | EDE | TORETC1 |
| Exceptional Dispatch Energy - ASTEST1 | ASTEST | EDE | ASTEST |
| Exceptional Dispatch Energy - TEST1 | TEST | EDE | TEST |
| Exceptional Dispatch Energy - VS1 | VS | EDE | VS |
| Exceptional Dispatch Energy - BS1 | BS | EDE | BS |
| Exceptional Dispatch Energy - OMS1 | OMS | EDE | OMS |
| Manual Dispatch Energy - PASTEST1 | MDE | MDE | PASTEST |
| Manual Dispatch Energy – BS1 | MDE | MDE | PBS |
| Manual Dispatch Energy – NONTMOD1 | MDE | MDE | PNONTMOD |
| Manual Dispatch Energy - PRMRRC2 | MDE | MDE | PRMRRC2 |
| Manual Dispatch Energy - PRMRT1 | MDE | MDE | PRMRT |
| Manual Dispatch Energy – SYSEMR1 | MDE | MDE | PSYSEMR |
| Manual Dispatch Energy – TEMR1 | MDE | MDE | PTEMR |
| Manual Dispatch Energy – TEST1 | MDE | MDE | PTEST |
| Manual Dispatch Energy – TMODEL1 | MDE | MDE | PTMODEL |
| Manual Dispatch Energy – VS1 | MDE | MDE | PVS |
| RMRRC2 | RMRRC2 | EDE | RMRRC2 |
| OTHER | OTHER | EDE | OTHER |

1Separate allocations for 15 minute and 5-minute dispatches will be reported.