

DPU Data Request 3.1

CONFIDENTIAL REQUEST - The Division's understanding of the nuclear island operation is as follows. When the nuclear island is operating, it will typically be running at a steady output of 840 MW thermal (i.e., the nuclear island's heat output will not be ramped up or down). This thermal output must either: (A) go to the turbine and then to the grid, or (B) heat the storage system (or both). There is no other off-take of heat under normal operations. If the storage system is completely "charged", then the 840 MW thermal must go to the turbine, resulting in around 345 MWe delivered to the grid. When the storage system is being charged at the maximum rate, it takes around four hours to completely charge the storage, at which point the thermal output of the nuclear island must go entirely to the turbine and the grid. Please confirm this understanding or correct if mistaken.

(1) In its confidential response to Division DR 1.2, the Company stated:

[REDACTED]

The Division's understanding is that outside of the unit being down, US SFR only in the sense that it can choose [REDACTED], and after the storage system is fully charged, [REDACTED]. In other words, if the unit is not down for maintenance or otherwise offline, when the storage system is fully charged, then US SFR cannot [REDACTED] when the storage system is not fully charged. Please confirm or correct.

Response to DPU Data Request 3.1

The initial interpretation of the Division is partially correct. The operator [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Confidential information is provided subject to Public Service Commission of Utah (UPSC) Rules R746-1-601–606.