CAPER – DER Planning Criteria Project

CLEMSON UNIVERSITY, SEPTEMBER 2015

**With Ridge Road’s historical Feeder DSCADA yearly dataset please:**

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|  | 1. Verify Timestamp alignment of data in 10min increments. (60\*24\*365)/10=52560 total |
|  | 1. Flag any missing datapoints and store timestamp in a separate matrix. |
|  | 3. Linearize missing datapoints if only gap only <2hrs. Continue to flag gaps >2hrs. |
|  | 4. Find peak load per month & year 2014. |
|  | 5. Calculate ratio = min. daytime load (10am – 2pm) / monthly peak load. This will be used in the FIRST analysis. |
|  | 6. Import “DEP\_Cap\_Bank\_Operations.xlsx” & generate array per cap bank: cell(52560,4)  {TIMESTAMP | OPEN/CLOSE | KVAR\_before | KVAR\_after} (per Column) |
|  | 7. Do this for capacitors: E1183, E2M13, EXF80 |