**System Architecture Diagrams**:

Created UML diagram

No changes to High level architecture

**Updated Risk Table**:

See “Risk Table.xlsx”, Tab: Sp1

**Project Review**:

N/A for first sprint

**Updated Project Plan**:

See Project Plan v1.0.0

**Create Sprint Backlog:**

See Backlog.xlsx, tab: Sp1

**Updated Agile Use Cases:**

Created Use Cases

**Updated Product Backlog:**

See Backlog.xlsx, tab: Current

**Test Plans:**

* Task 1 – Research Web Services and API’s:
  + N/A
* Task 2 – Pull weather data from NOAA:
  + Perform Unit testing to ensure all weather variables were collected for all 168 hours of the week.
  + Unit test different zip codes in different states:
    - Hawaii – 96701
    - Illinois – 62034
    - Alaska - 99559
    - California – 90001
    - Florida – 32003
    - Maine – 03901
    - Texas – 73301
    - Washington – 98001
    - Michigan – 48001
* Task 3 – Parse weather data:
  + Perform Unit testing to ensure that the data is formatted correctly.
* Task 4 – Create function to calculate evaporation:
  + Using NOAA’s weather variables compare evaporation rate to Nomograph to ensure that the calculated evaporation rate is in fact the actual evaporation rate.
  + Integration testing
    - Test to see if the data can be pulled from NOAA, parsed, and then the evaporation calculated.