

| Requirements Traceability Matrix | | | |
|----------------------------------|--------------------------------|-------------------------|--|
| Use Case | Description | Functional Requirement | Design Element |
| UC-1 | View Power Usage | FR-10 | Figure 4 - High Level Use Case Diagram |
| | | SaR-1 | Figure 8 - Activity Diagram |
| | | UI-4 | |
| | | HI-1 | |
| UC-2 | View Green Energy Usage | SI-1 | Figure 4 - High Level Use Case Diagram |
| | | UI-4 | |
| | | HI-1 | |
| UC-3 | Schedule Charge Session | FR-1, FR-2, FR-3, FR-13 | Figure 1 - Dataflow Diagram |
| | | UI-1, UI-4 | Figure 2 - Deployment Diagram |
| | | PR-1, PR-2 | Figure 4 - High Level Use Case Diagram |
| | | SQR-1 | Figure 6 - Activity Diagram |
| | | HI-1 | |
| | | CI-1 | |
| UC - 4 | Adjust Settings | FR-7, FR-8, FR-9 | Figure 4 - High Level Use Case Diagram |
| | | PR-2 | |
| | | UI-4 | |
| | | CI-1 | |
| UC-5 | Receive Notifications | FR-4, FR-5, FR-6 | Figure 4 - High Level Use Case Diagram |
| | | UI-3, UI-4 | Figure 7 - Activity Diagram |
| | | SaR-2 | |
| | | HI-1 | |
| UC-6 | First Time Setup | FR-14, FR-15, FR-16 | Figure 4 - High Level Use Case Diagram |
| | | SeR-1 | Figure 5 - Activity Diagram |
| | | UI-1, UI-4 | |
| | | HI-1 | |
| | | CI-1 | |
| UC-7 | Modify Existing Charge Session | FR-11, FR-12 | Figure 1 - Dataflow Diagram |
| | | PR-1, PR-2 | Figure 2 - Deployment Diagram |
| | | SQR-1 | |
| | | UI-4 | |
| | | HI-1 | |
| | | CI-2 | |