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|  | **National Renewable Energy Laboratory**  **Alliance for Sustainable Energy, LLC**  **DE-AC36-08GO28308**  **Software Record** | |  |  | | --- | --- | | SWR Number: | **SWR-18-22** | | Submitted By: | Mahmud, Rasel | | Submit Date: | 1/12/2018 | |

**Description**

|  |  |
| --- | --- |
| **Software Title:** | Grid Services from PV |
| **Acronym:** | GSPV |
| **Technology Type:** | PV |
| **Date Created:** | 1/12/2018 |
| **Description:** |  |
| **Abstract:** | This model simulates the environment where an aggregator communicates with large pool of PV/inverter and system operator to provide grid services to the grid. |

**Details**

|  |  |
| --- | --- |
| **Language:** | Python |

**Information Security**

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| --- | --- |
| **Crypto Functions:** | [] |

**Third Party Software**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Decription** | **Separable** | **OSS** |

**Related Inventions**

|  |  |
| --- | --- |
| **Number** | **Title** |

**Funding and Collaboration**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **Charge Code** | **Program** | **Sponsor** | **Outside** | **POC** |
| US Department of Energy | 10246:09.01.13 | GMLC - Grid Modernization |  |  |  |

**Inventorship**

**NREL Inventors**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
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|  |  | **City:** |  | **State:** |  | **Country:** | United States |
| **Name:** | Sudipta Chakraborty | **Role:** | Helped write the code and verify it's operation. | **EE Type:** | Regular, Former | **EE Id:** | 11523 |
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|  |  | **City:** | Arvada | **State:** | Colorado | **Country:** | United States |

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