## Grid Modernization Roadmap

**FY 2018**
- Marketing & Settlements System (MSS) (C)
- Outage Tracking System (OTS) (P)
- Coordinated Transmission Agreement (CTA) Implementation (P)
- Energy Trading & Risk Management & MSS Expansion (C)
- Mission Critical IT – Integration (C)
- Mission Critical IT – Infrastructure (C)
- RAS Automatic Arming (P)
- Outage Management System (P)
- One BPA Outage (N)
- Mission Critical IT – Service Management (C)
- Mission Critical IT – Architecture (C)
- EIM Settlements Scoping (E)
- Reliability Coordinator Decision, Planning & Execution (C)
- Power Services Training Program (C)
- Federal Data & Generation Dispatch Modernization (C)
- Metering Review & Update (C)
- BPA Network Model (P)
- AGC Modernization (C)

**FY 2019**
- Agency Metering System (AMS) Replacement (P)
- Real-time Operations Modernization (P)
- Price & Dispatch Analysis (PRADA) (C)
- Sub-hourly Scheduling on the DC (P)
- Load & Renewable Forecasting (C)
- Short-Term Available Transfer Capability (N)
- Automated Operations Planning & Reliability Assessment (P)
- Agency Enterprise Portal (P)

**FY 2020**
- EIM Settlements Implementation (E)
- EIM Bid and Base Scheduling (E)
- EIM Real Time Operations (E)
- EIM Training Program (E)
- EIM Testing Program (E)

**FY 2021**
- EIM Settlements Implementation (E)
- EIM Bid and Base Scheduling (E)
- EIM Real Time Operations (E)
- EIM Training Program (E)
- EIM Testing Program (E)

**FY 2022**
- EIM Settlements Implementation (E)
- EIM Bid and Base Scheduling (E)
- EIM Real Time Operations (E)
- EIM Training Program (E)
- EIM Testing Program (E)

**FY 2023**
- EIM Settlements Implementation (E)
- EIM Bid and Base Scheduling (E)
- EIM Real Time Operations (E)
- EIM Training Program (E)
- EIM Testing Program (E)

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### Legend
- E = EIM Project
- C = Critical for EIM
- P = Partially Critical for EIM
- N = Not Critical for EIM
- ( ) = Completed Projects
- [ ] = Projects in "Deliver"
- [ ] = Projects in "Identify, Define, Integrate"
- [ ] = Projects not started

POC: GRD MOD@BPA.GOV