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| PGRR  Number | [082](http://www.ercot.com/mktrules/issues/PGRR082) | PGRR  Title | Revise Section 5 and Establish Small Generation Interconnection Process |
| Impact Analysis Date | | June 30, 2020 | |
| Estimated Cost/Budgetary Impact | | Between $700k and $900k  Annual Recurring Operations and Maintenance (O&M) Budget Cost: $450k – $540k  See ERCOT Staffing Impacts | |
| Estimated Time Requirements | | The timeline for implementing this Planning Guide Revision Request (PGRR) is dependent upon ERCOT Board prioritization and approval. Please see the Project Priority List ([PPL](http://www.ercot.com/services/projects)) for additional information.  Estimated project duration: 18 to 24 months | |
| ERCOT Staffing Impacts (across all areas) | | Implementation Labor: 100% ERCOT; 0% Vendor  There will be ongoing operational impacts across the following ERCOT department totaling 3 Full-Time Employees (FTEs) to support this PGRR:  • Resource Integration (2.9 FTE Effort)  ERCOT has assessed its ability to absorb the ongoing efforts of this PGRR with current staff and concluded the need for three additional FTEs:  • Resource Integration - department requires three additional FTEs to support the effort to start a new process of tracking the progress of small generators through the interconnection process applicable to Small Generators. This entirely new effort also includes approving the studies, interconnection agreements, Resource Registration data, commissioning and compliance to ERCOT Market Rules for Small Generators.  Small Generators are a new set of generators that are less than 10 MW connected to the ERCOT System on either the transmission or distribution system. Currently, there is a moratorium on distribution-connection Small Generators. On September 26, 2019, ERCOT released Market Notice M-A092619-01 Operations, which allowed developers of Distribution Generation Resources (DGRs) to proceed with their project before the moratorium began if they could prove they had invested money prior to October 28, 2019. Forty-two DGR developers responded, which was about six times greater than expected. Since DGRs are easy and fast to construct, it is expected that 100 or more projects per year could be submitted.  This is a whole new effort requiring 3 FTEs based on the workload currently done to support Large Generators (>=10 MW). DGRs will still require the same Resource Registration data support and will be required to run the same commissioning checklists for energization, synchronization, and commissioning. This effort will take 5,940 hours per year based on the estimated 100 DGR projects mostly comprised of ESR. This is 2.9 FTE. | |
| ERCOT Computer System Impacts | | The following ERCOT systems would be impacted:   * Resource Integration 92% * Network Model Management System (NMMS) 4% * BI & Data Analytics 3% * Data and Information Products (DAIP) 1% | |
| ERCOT Business Function Impacts | | ERCOT will update its business processes to implement this PGRR. | |
| Grid Operations & Practices Impacts | | No impacts to ERCOT grid operations and practices. | |

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| Evaluation of Interim Solutions or Alternatives for a More Efficient Implementation |
| None offered. |

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| Comments |
| If approved, ERCOT plans to implement the Resource Integration system changes as part of a future phase of PR106-01, RARF Replacement. |