



## Technical Assistance (TA) Analysis Review Checklist: Distributed Generation (DG) Projects

- 1. Does the deliverable include a clear and complete narrative description of the project?
- 2. Is there a spreadsheet-based analysis in electronic format that allows for transparency and validation of all algorithms, and calculations?
- 3. Are all assumptions used in the analysis documented and reasonable?
- 4. Does the analysis reflect hourly thermal and electric load profiles that allow for accurate projection of the serviceable coincident thermal and electric loads? Are the load shapes supported by logged data or other acceptable methods of documentation?
- 5. Does the analysis reflect documented equipment performance specification, including part load performance? Are all input fuel consumption and efficiency values appropriately expressed in HHV terms?
- 6. If the project is a turbine project, are ambient temperature effects accounted for?
- 7. Is there documentation of all applicable electric and fuel costs including historical bills and/or rate tariffs? Calculation of electric benefits must separately reflect the energy and demand components of the cost. The report must include clear documentation of how the monthly billing demand impact is determined.
- 8. Does the report specify distributed generation equipment that is appropriately sized to optimize the participant benefit based on the derived thermal and electric load shapes?
- 9. Is there a detailed line item project quote including equipment, labor, installation, engineering, interconnection with the electric utility, and permitting?
- 10. Verify that all costs represent appropriate elements of the project and are eligible to be included in determination of the incentive.
- 11. Are any assumptions used in the analysis documented and reasonable?
- 12. Does the analysis provide a documented and reasonable representation of the direct cost and downtime associated with **scheduled** maintenance and the impact on overall performance and project economics, including peak monthly electric demand charges?
- 13. Does the analysis reflect a reasonable expectation of **unscheduled** down time and overall system availability?
- 14. Does the analysis contain sufficient detail to allow for accurate determination of system demand impacts during defined winter and summer peak demand hours?
- 15. Does the analysis include an accurate model of the overall life cycle project economic impact that enables the participant to make informed investment decisions?