

SUMMARY OF ON-GOING AND PLANNED EVALUATION ACTIVITIES

NJCEP Energy Efficiency & Renewable Energy
Stakeholder Meetings

July 19, 2018
Trenton, New Jersey



New Jersey Clean Energy Program Inter-Organization Chart (Current Structure)

The Board
 Approves evaluation budgets and plans, approves Protocols, releases RFP's & approves contractors

The Division of Rate Counsel
 Serves as an independent advocate for consumers and provides policy inputs.

The Office of Clean Energy
 Makes evaluation plan and budget recommendations to Board, reviews RFP's before submitting to Board
 Helps evaluate proposals and select evaluation contractors, designates contract manager

OCE Stakeholders
 Participate in and provide comments on evaluation and research activities

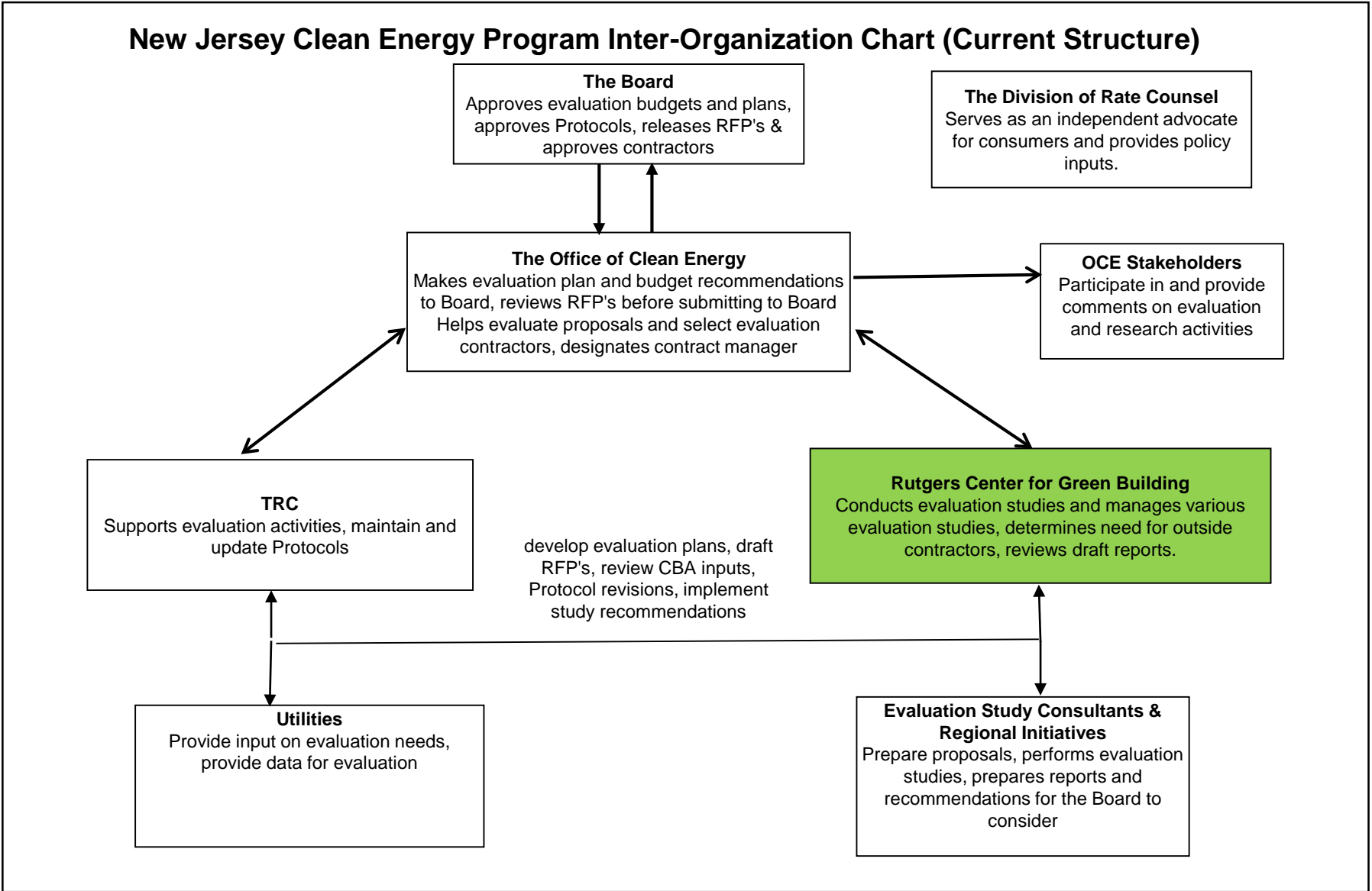
TRC
 Supports evaluation activities, maintain and update Protocols

Rutgers Center for Green Building
 Conducts evaluation studies and manages various evaluation studies, determines need for outside contractors, reviews draft reports.

develop evaluation plans, draft RFP's, review CBA inputs, Protocol revisions, implement study recommendations

Utilities
 Provide input on evaluation needs, provide data for evaluation

Evaluation Study Consultants & Regional Initiatives
 Prepare proposals, performs evaluation studies, prepares reports and recommendations for the Board to consider



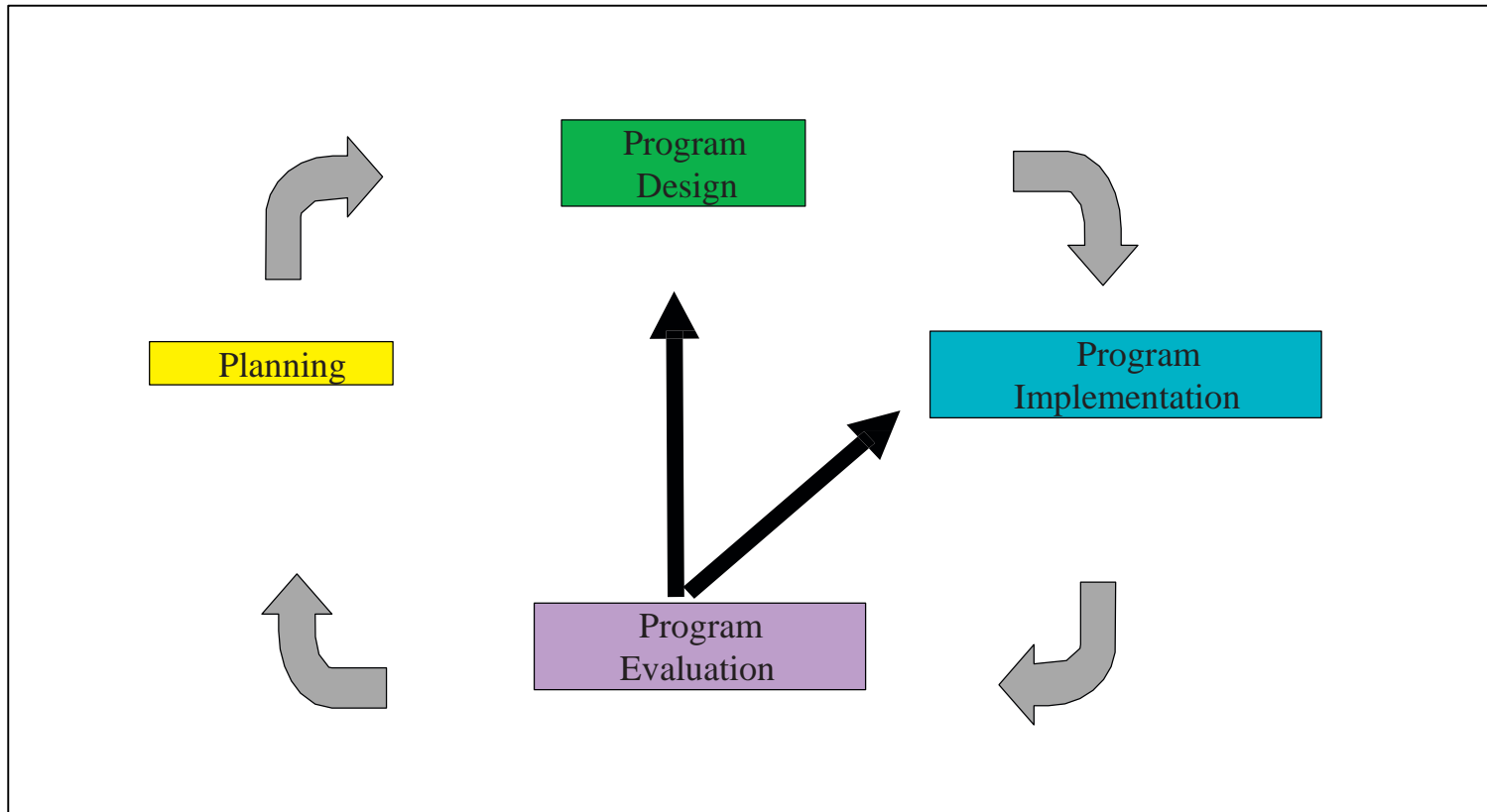


Figure 1: Program Planning Cycle

Vine, E. "Strategies and Policies for improving energy efficiency programs: Closing the loop between evaluation and implementation." *Energy Policy* (10), 2008, p 3872-3881.

NJ CEP FY2019-2022 Strategic Plan Objectives

- Lower Energy Bills
- Maximize peak demand savings
- Provide equitable access to efficiency and renewable energy programs
- Promote development and transformation of EE and RE markets
- Reduce long-term environmental impacts of energy use
- Minimize lost opportunities

Common evaluation activities include:

- Assessment of Goals, Objectives and Outcomes
- Economic Impact Assessments
- Cost Benefit Analysis
- Avoided Cost Assumptions
- Benchmarking and Metric Studies
- Market Potential Studies
- Market Assessments
- Baseline Studies
- Impact Evaluations
- Process Evaluations
- Tracking System Assessments
- Review of TRM for Estimating Program Impacts

FY18-19 On-going Evaluations (1 of 2)

- Update of Evaluation Plan (pursuant to A-3723)
- Cost Benefit Analyses for existing programs (prospective and retrospective)
 - Transition to e-plan underway; retention of spreadsheet model for 1-2 years
 - Avoided costs update (Summer 2018)
- Peer Benchmarking/Process Evaluation
 - Update to American Council for an Energy-Efficient Economy (ACEE) submitted; new rankings pending
 - NJ rejoined Consortium for Energy Efficiency (CEE)
- Updated TRM

FY18-19 On-going Evaluations (2 of 2)

- Performance Tracking and Metrics Update NJ EMP
- Updates to NJ Energy Data Center Website
- RGGI Re-entry Study
- Community Solar Study
- Net to Gross, Non Energy Benefits and Energy Code Compliance CBA and Protocols Research Support (Phase I)
- Multifamily Baseline Study

Evaluation Priorities for FY2019

- Annual Updates: CBA, Avoided Costs, TRM, Evaluation Plan, Peer Benchmarking, NJ Energy Data Website
- Energy Master Plan Update
- Community Solar
- Energy Storage
- Off-shore Wind
- Energy Disclosure and Benchmarks
- Peak Demand Reduction/Load Shedding

Additional Evaluations for FY2019-2022

- Market Potential
- Residential and Commercial Baseline Studies
 - C&I Lighting Market Assessment
 - C&I Market Segmentation Study
 - C&I Large Energy Users Market Characterization Study
 - C&I Rooftop HVAC Unit Baseline Study
 - Others TBD
- Impact Evaluations
- Energy Codes Compliance Study
- Net to Gross Study (Phase II as warranted)