

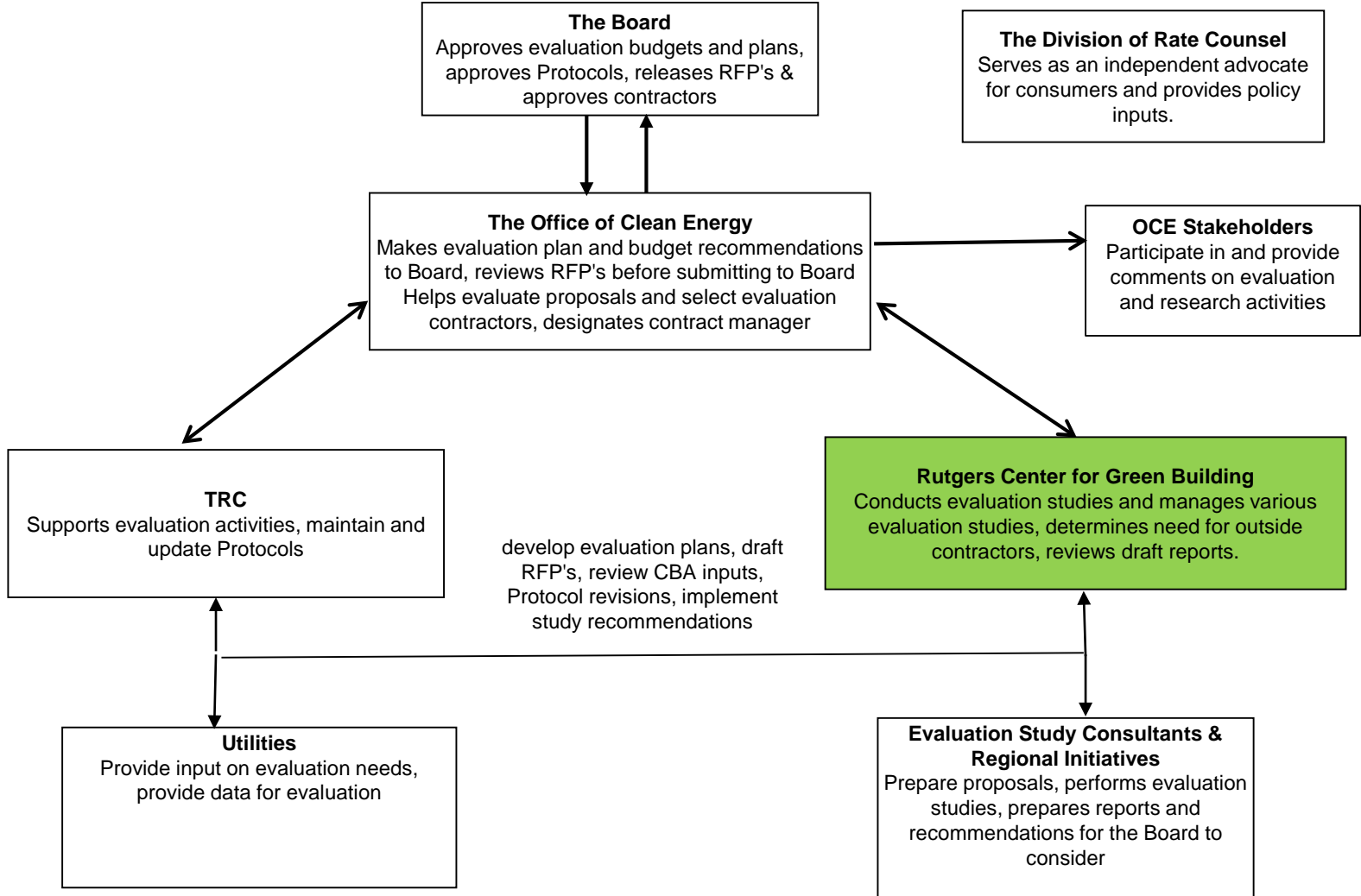
# SUMMARY OF ON-GOING AND PLANNED EVALUATION ACTIVITIES

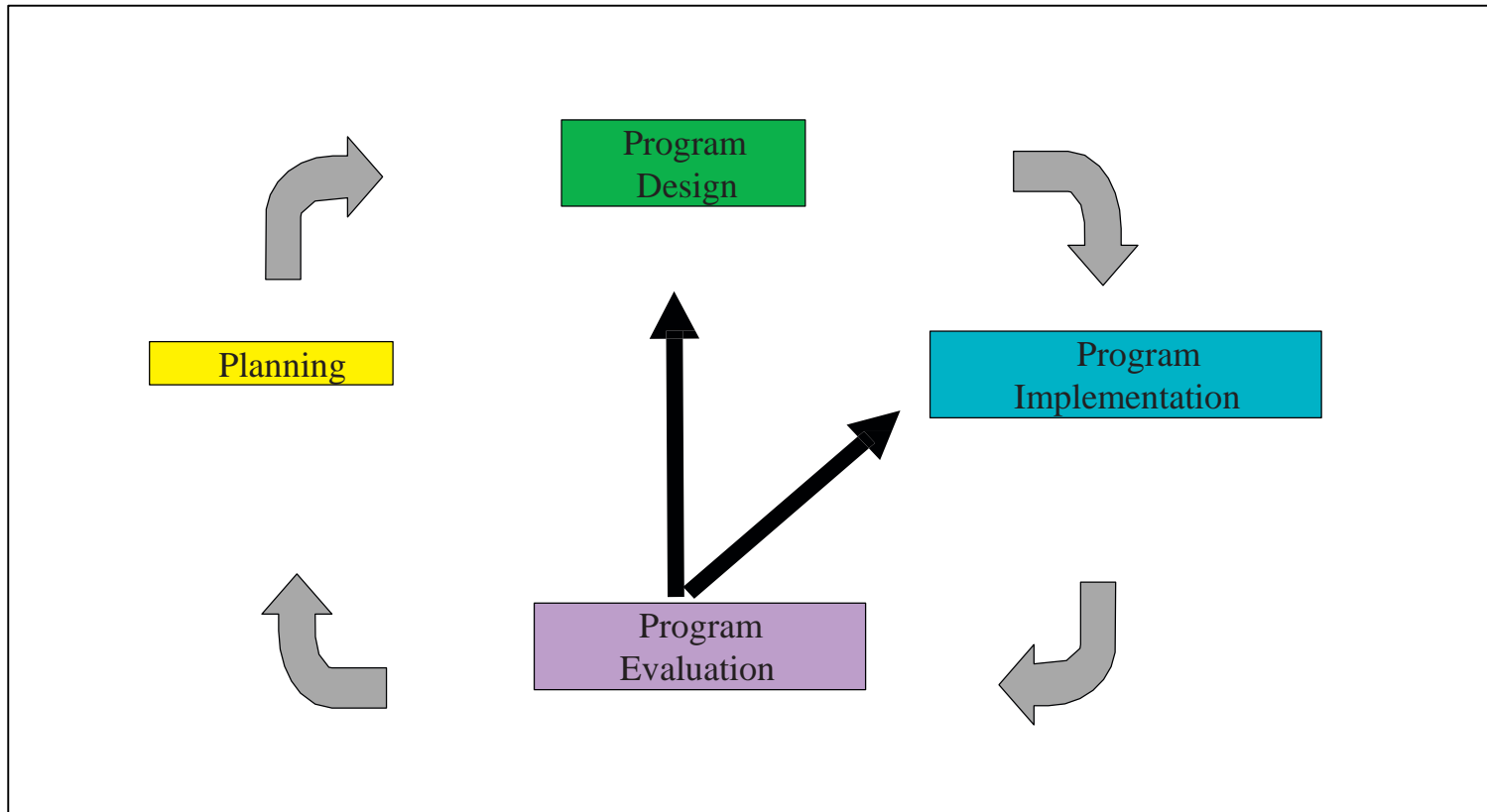
NJCEP Energy Efficiency & Renewable Energy  
Stakeholder Meetings

July 19, 2018  
Trenton, New Jersey



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





**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)