

# 2019 EEAC PRIORITIES

## *RECAP AND NEXT STEPS*

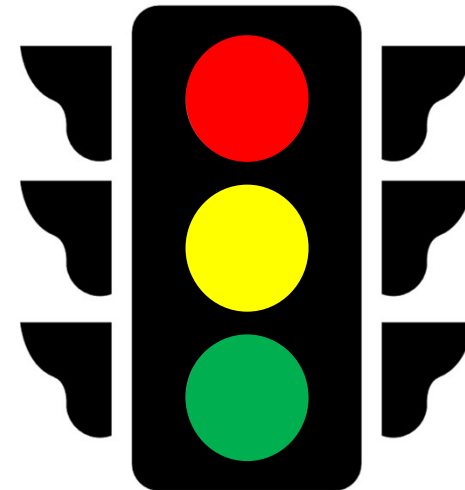
▶ **November 20, 2019**

[www.ma-eeac.org](http://www.ma-eeac.org)

# OVERVIEW



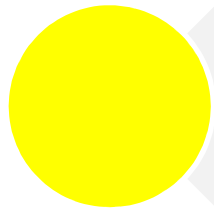
- 1. Consultant review of 2019 EEAC Priority status**
  - Each labeled red, green or yellow to indicate status toward completion
- 2. Council discussion of next steps for priorities**



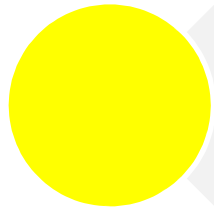
# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

1. Term sheet savings goals or electric and gas programs, including re-calculation of MMBtu savings goal for the electric PA's energy efficiency plan
2. Integrated Residential Program Design and enhancements
3. C&I customer-centric enhancements including lighting and controls, HVAC and controls, and process
4. Stakeholder engagement
5. Low Income Program goals
6. Progress towards implementation of recommendations outlined in Appendix P of the 2019-2021 Three-Year Plan - "Best Practices for Minimizing Program Planning and Administrative Costs"
7. Assessment of new program enhancements, clean energy sources, and technologies authorized by An Act to Advance Clean Energy and not included in the 2019-2021 Plan

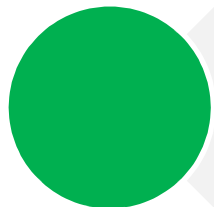
## **PRIORITY 2: Ensure new, active demand reduction programs developed and executed effectively. Monitor progress and focus on lowering both summer and winter Demand**



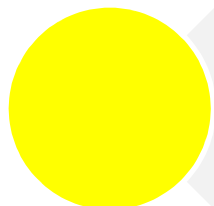
1. Progress to reaching the Active Demand Reduction program goals  
*Demonstrated commitment to energy storage through regular updates on progress*



2. PA demonstrations on Daily Dispatch storage offering, including implementation updates and results to assess cost-effectiveness with the goal of statewide implementation in 2020

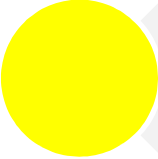


3. Progress toward agreement between Eversource and Cape Light Compact

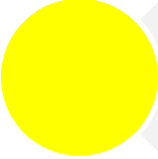


4. Winter reliability enhancements including updates on the incorporation of peak reduction in winter, utilizing storage in winter, winter benefits study, streetlight conversions

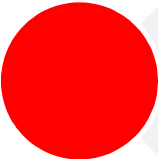
**PRIORITY 3: 2019-2021 Plan – other new offerings: Work with Program Administrators and Consultant Team to ensure new program initiatives put forth in the 2019-2021 Plan are developed and executed effectively and in a timely manner.**



1. Fuel switching, including tracking the number of customers displacing non-electric fuels by type of fuel displaced and fuel with which it is replaced



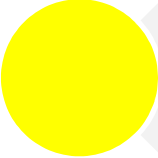
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3. Integration of Home Energy Scorecards



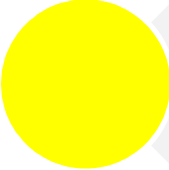
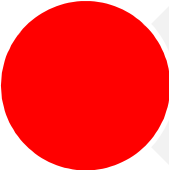
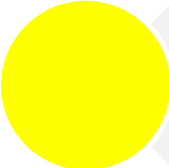
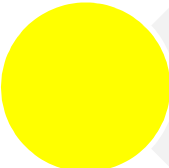

4. C&I Strategic Energy Management (SEM) roll out



5. Energy Optimization

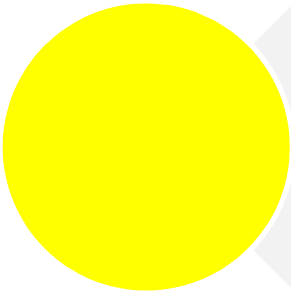
**PRIORITY 4: Equitable customer participation and savings:**  
**Demonstrate equitable participation in energy efficiency programs through enhanced delivery models with a special focus on renters, moderate income, non-English speaking, and small business customers.**

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-  1. Program enhancements for renters, moderate income, non-English speaking, and small business. These enhancements will include the new renter participation tracking efforts
-  2. Implementation of the moderate income offering, including incorporation of lessons learned from LEAN demonstrations
-  3. Implementation of actionable recommendations from the Low Income Process Evaluation
-  4. Municipal, community, and non-profit partnership efforts
-  5. Targeted energy efficiency efforts in Lawrence, Andover and North Andover

**PRIORITY 5: Data Management and Transparency: Monitor efforts to modernize data management practices across all PAs and sectors and enhance the accessibility of the data to the public.**

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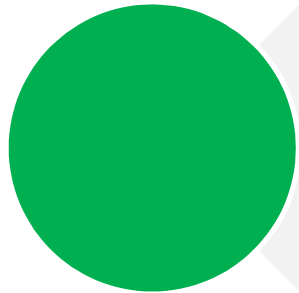


1. Roll out of reporting activities including new quarterly reporting commitments to the Council

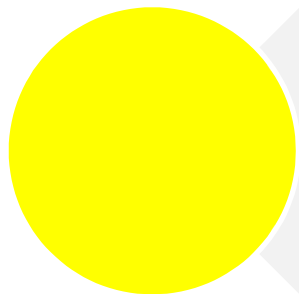


2. Timely EM&V by providing and reviewing customer and tracking databases promptly

## **PRIORITY 6: Assess results of the 2016-2018 Three-Year Plan and integrate lessons learned into the execution of the 2019-2021 Three-Year Plan**



1. Timely evaluation of 2016-2018 results to inform 2019-2021 implementation



2. Planning for future beyond C&I Lighting by taking a systems-based comprehensive approach to include more design, operations and maintenance (O&M), controls and diversity of measures

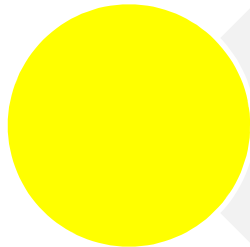


# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

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2. Integrated Residential Program Design and enhancements
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4. Stakeholder engagement
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# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

## **Savings**

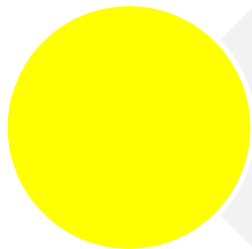


1. Term sheet savings goals or electric and gas programs, including re-calculation of MMBtu savings goal for the electric PA's energy efficiency plan

- ▶ **Progress toward the savings goals has been shown in quarterly report tables**
- ▶ **Next steps:**
  - MMBtu study expected to be completed by the end of Q1 2020
  - Interim updates, review, and feedback on MMBtu study

# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

## **Residential**

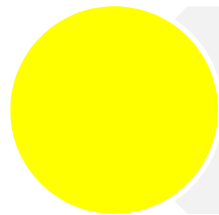


### **2. Integrated Residential Program Design and enhancements**

- ▶ PAs presented update at September EEAC**
- ▶ Next steps:**
  - Understanding impacts on participation, savings and costs
  - Several enhancements still being finalized
    - Need to better understand energy optimization roll out
  - Councilors have asked PAs to determine how success of new enhancements will be assessed

# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

## **Commercial & Industrial**

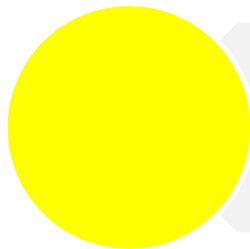


3. C&I customer-centric enhancements including lighting and controls, HVAC and controls, and process

- ▶ **PAs presented update at October EEAC**
- ▶ **Equipment & Systems Performance Optimization (ESPO) and initial Strategic Energy Management (SEM) cohorts rolled out**
- ▶ **Next steps:**
  - Additional information on upstream and small business lighting projects
  - Additional monitoring of new program offerings (ESPO and SEM), training, and upstream HVAC

# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

## **Stakeholder Engagement**

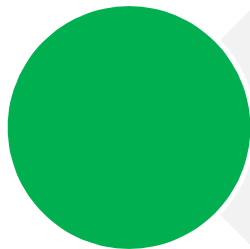


### **4. Stakeholder engagement**

- ▶ PAs have provided updates and started application process for municipal and community partnership efforts**
- ▶ Next steps:**
  - List of selected partners pursuant to muni strategy and clarification on inclusion of income eligible customers
  - Retail HVAC contractor strategy for energy optimization
  - Community-based orgs and limited English proficiency customers

# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

## **Low Income**

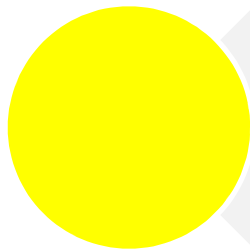


### **5. Low Income Program goals**

- ▶ PAs have provided updates in Quarterly Reports**
- ▶ Have received verbal update from LEAN that progress is being made**
- ▶ Next steps:**
  - Information on progress towards process evaluation recommendations
  - Integration of new measures and active demand being considered into programs

# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

## **Minimizing Planning and Administrative Costs**

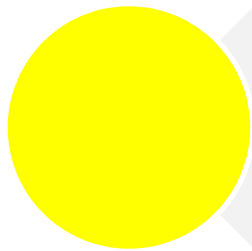


6. Progress towards implementation of recommendations outlined in Appendix P of the 2019-2021 Plan - “Best Practices for Minimizing Program Planning and Administrative Costs”

- ▶ **PAs have reported on progress in quarterly reports**
- ▶ **TBD**

# **PRIORITY 1: Monitor and ensure progress toward 2019 – 2021 Plan goals**

## **New Program Enhancements**

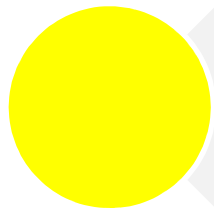


7. Assessment of new program enhancements, clean energy sources, and technologies authorized by An Act to Advance Clean Energy and not included in the 2019-2021 Plan

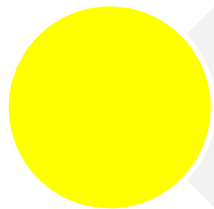
- ▶ **PAs to report on in current meeting**
- ▶ **TBD**



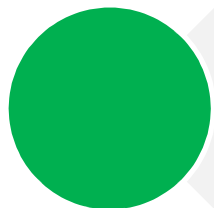
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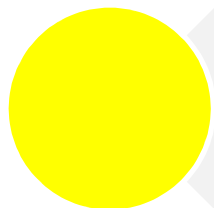
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2. PA demonstrations on Daily Dispatch storage offering, including implementation updates and results to assess cost-effectiveness with the goal of statewide implementation in 2020

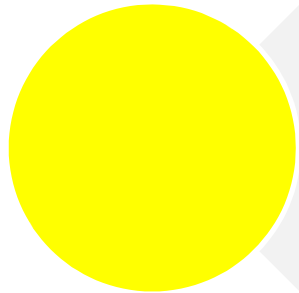


3. Progress toward agreement between Eversource and Cape Light Compact



4. Winter reliability enhancements including updates on the incorporation of peak reduction in winter, utilizing storage in winter, winter benefits study, streetlight conversions

**PRIORITY 2: Ensure new, active demand reduction (ADR) programs developed and executed effectively. Monitor progress and focus on lowering both summer and winter Demand**

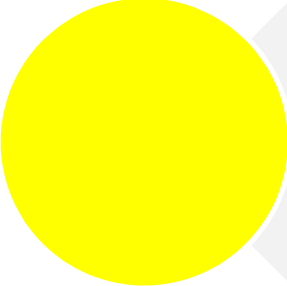


1) Progress to reaching the Active Demand Reduction program goals

i. Demonstrated commitment to energy storage through regular updates on progress

- ▶ **Q2 report summarized progress on first half of 2019**
- ▶ **August PA presentation stated performance on track to meet plan level (over 130 MW vs 103 MW in Plan)**
- ▶ **All PAs were operationally ready to call events by end of May for summer 2019**
- ▶ **Next steps:**
  - Field and impact results from summer 2019
  - Plan and strategic approach for winter 2019-20
  - Update on integrated delivery of ADR and energy efficiency

**PRIORITY 2: Ensure new, active demand reduction (ADR) programs developed and executed effectively. Monitor progress and focus on lowering both summer and winter Demand**

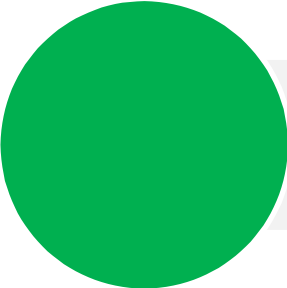


2) PA demonstrations on Daily Dispatch storage offering, including implementation updates and results to assess cost-effectiveness with the goal of statewide implementation in 2020

▶ **Q2 report gave summary of plans for daily dispatch and initial demonstration efforts in first half of year**

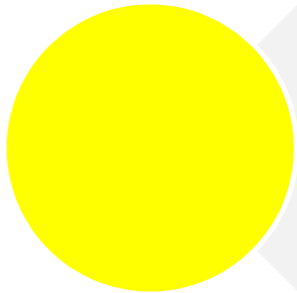
▶ **Next steps:**

- Daily dispatch demo results from summer 2019
- Plan and strategic approach for full program in 2020 and DPU approval, in time for summer 2020 implementation



3) Progress toward agreement between Eversource and Cape Light Compact

**PRIORITY 2: Ensure new, active demand reduction (ADR) programs developed and executed effectively. Monitor progress and focus on lowering both summer and winter Demand**



4) Winter reliability enhancements including updates on the incorporation of peak reduction in winter, utilizing storage in winter, winter benefits study, streetlight conversions

- ▶ **Q2 report provided update on winter capacity benefits study (deferred to later 2019 due to potential ISO market changes)**
- ▶ **Next steps:**
  - Plan and approach for 2019-20 winter active demand reduction offering(s)
  - Next steps, schedule, and progress on winter capacity benefits study
  - Plan for winter gas demand

**PRIORITY 3: 2019-2021 Plan – other new offerings: Work with Program Administrators and Consultant Team to ensure new program initiatives put forth in the 2019-2021 Plan are developed and executed effectively and in a timely manner.**

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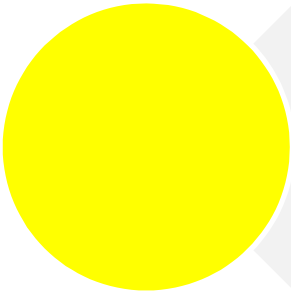
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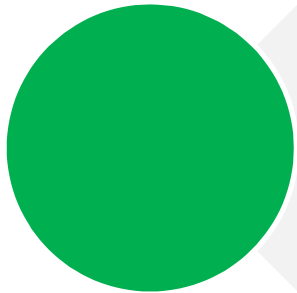
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1. Fuel switching, including tracking the number of customers displacing non-electric fuels by type of fuel displaced and fuel with which it is replaced

- ▶ **Several quarterly and semiannual KPIs contain progress information for this priority**
  - Includes number of heat pumps related to fuel switching
- ▶ **Residential incentives launched, but behind heat pumps goal**
- ▶ **Next steps:**
  - Roll out of full energy optimization supporting educational framework has not been rolled out
  - Displacement information reported as part of C&I data

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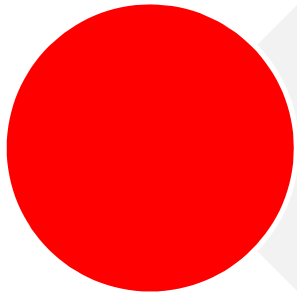


2. Development and launch of the new Passive House offering, including incentives for soft costs and an updated performance-based incentive calculation

- ▶ **PAs have provided updates in Quarterly Reports**
- ▶ **Initiative launched in Q3 for training and for high-rise incentives**
  - Positive industry response; significant update in first few months
- ▶ **Next steps:**
  - Launch low rise and single-family incentives

**PRIORITY 3: 2019-2021 Plan – other new offerings: Work with Program Administrators and Consultant Team to ensure new program initiatives put forth in the 2019-2021 Plan are developed and executed effectively and in a timely manner.**

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### 3. Integration of Home Energy Scorecards

- ▶ **PAs have provided updates in Quarterly Reports**
- ▶ **Next steps:**
  - Implement scorecards, which have been delayed
  - New implementation timeline has National Grid and Eversource rolling out a DOER-approved scorecard by Q2 2020



**PRIORITY 3: 2019-2021 Plan – other new offerings: Work with Program Administrators and Consultant Team to ensure new program initiatives put forth in the 2019-2021 Plan are developed and executed effectively and in a timely manner.**

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#### 4. C&I Strategic Energy Management (SEM) roll out

- ▶ **PAs have provided updates in Quarterly Reports**
- ▶ **First cohorts launched by National Grid**
- ▶ **Next steps:**
  - Commitment to move beyond the pilot and make this a permanent pathway
  - Ensure data being collected supports evaluation best practices

**PRIORITY 3: 2019-2021 Plan – other new offerings: Work with Program Administrators and Consultant Team to ensure new program initiatives put forth in the 2019-2021 Plan are developed and executed effectively and in a timely manner.**

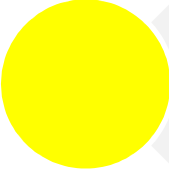
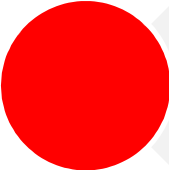
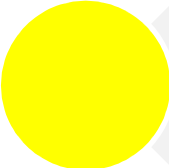
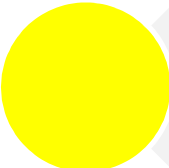



## 5. Energy Optimization

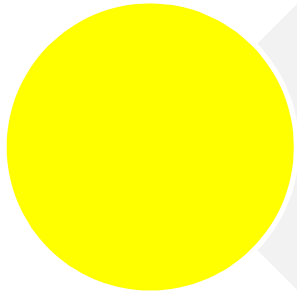
- ▶ **PAs have provided various updates on residential energy optimization**
- ▶ **Calculator and energy specialist training are works in progress**
- ▶ **Next steps:**
  - Draft and final versions of calculator
  - Strategy for retail HVAC channel beyond just incentives
  - Strategy for new construction
  - Strategy for C&I and Low Income

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**Demonstrate equitable participation in energy efficiency programs through enhanced delivery models with a special focus on renters, moderate income, non-English speaking, and small business customers.**

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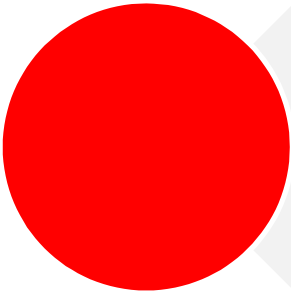
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- ▶ **PAs presented on res-related enhancements at September EEAC meeting**
- ▶ **Main Streets effort targeted small businesses**
- ▶ **Next steps:**
  - Provide renter participation data
  - Enhancements for non-English speaking customers
    - PAs reviewing a report on opportunities to better serve limited English proficiency customers
  - Non-participation EM&V study scheduled for completion by year's end

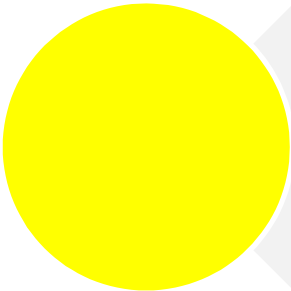
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Demonstrate equitable participation in energy efficiency programs through enhanced delivery models with a special focus on renters, moderate income, non-English speaking, and small business customers.



2. Implementation of the moderate income offering, including incorporation of lessons learned from LEAN demonstrations

- ▶ **Results of LEAN demonstration and PAs' approach to moderate income customers have been presented to EEAC**
- ▶ **Next steps:**
  - Specific plans provided to increase participation in the moderate income offer beyond generally applicable changes in Residential Coordinated Delivery (RCD) initiative

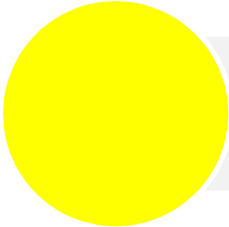
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### 3. Implementation of actionable recommendations from the Low Income Process Evaluation

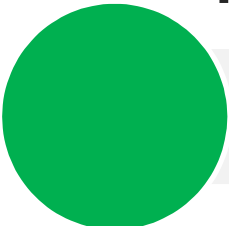
- ▶ **PAs have provided updates in Quarterly Reports**
- ▶ **Verbal update from LEAN that progress is being made**
- ▶ **Next steps:**
  - Update from LEAN on each recommendation and status of implementation
    - Potential topic for future EEAC meeting

**PRIORITY 4: Equitable customer participation and savings:**  
Demonstrate equitable participation in energy efficiency programs through enhanced delivery models with a special focus on renters, moderate income, non-English speaking, and small business customers.



4. Municipal, community, and non-profit partnership efforts

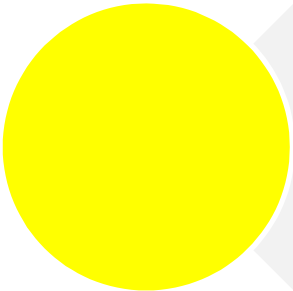
- ▶ PAs have provided updates and have commenced application process
- ▶ Next steps: list of selected partners and clarification regarding inclusion of income eligible customers



5. Targeted energy efficiency efforts in Lawrence, Andover and North Andover

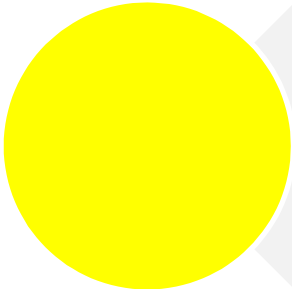
- ▶ CMA running targeted programs and have provided updates monthly
- ▶ Next steps: Assess impact to potentially target other areas

**PRIORITY 5: Data Management and Transparency: Monitor efforts to modernize data management practices across all PAs and sectors and enhance the accessibility of the data to the public.**



1. Roll out of reporting activities including new quarterly reporting commitments to the Council

- ▶ **PAs began reporting KPIs, but on-going quality issues remain**

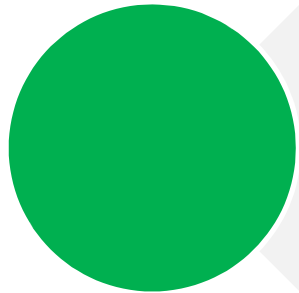


2. Timely EM&V by providing and reviewing customer and tracking databases promptly

- ▶ **Running on a schedule like past years**
- ▶ **On-going challenge is how quickly PAs provide data to evaluators**

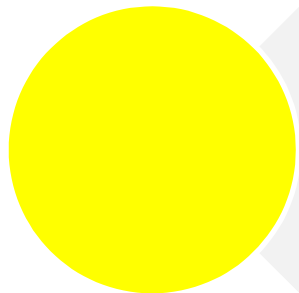


## **PRIORITY 6: Assess results of the 2016-2018 Three-Year Plan and integrate lessons learned into the execution of the 2019-2021 Three-Year Plan**



1. Timely evaluation of 2016-2018 results to inform 2019-2021 implementation

▶ **Timing a bit improved over past years. Completed.**



2. Planning for future beyond C&I Lighting by taking a systems-based comprehensive approach to include more design, operations and maintenance (O&M), controls and diversity of measures

▶ **Issues highlighted at October meeting**

▶ **Next steps: Understanding KPI and other data to accurately assess measure mix diversity**



# QUESTIONS?