

# 2026 Workplan for the Grid Modernization Advisory Council

#### **Background**

In August 2022, An Act Driving Clean Energy and Offshore Wind (Act) was signed into law. Recognizing the importance of the electric grid in facilitating emissions reductions in the Commonwealth, and the need for a comprehensive and transparent grid planning process, the Act established the Grid Modernization Advisory Council (GMAC) to encourage least-cost investments in the electric grid, alternatives to investments or to financing investments that facilitate meeting emissions reductions limits, increase transparency and stakeholder engagement in grid planning processes. GMAC is required to review and provide recommendations to the electric distribution companies (EDCs) regarding their electric-sector modernization plans (ESMPs). The ESMPs are strategic plans that must contain the following:

- Plans to upgrade the distribution system to:
  - o improve reliability and resiliency,
  - o enable adoption of renewable energy and distributed energy resources,
  - o promote energy storage and electrification technologies,
  - o prepare for climate-driven grid impacts,
  - o accommodate increased transportation and building electrification,
  - o minimize or mitigate impacts on ratepayers.
- Descriptions of distribution grid improvements to meet the strategic plan elements noted above, identify availability and suitability of new technologies for grid applications, facilitate achievement of statewide emissions limits, and identify alternatives to investment proposals.
- 5- and 10-year forecasts and a demand assessment through 2050.

On November 20, 2023, the GMAC reviewed and provided <u>88 recommendations</u> on the EDCs' inaugural draft ESMPs. On August 29, 2024, the Department of Public Utilities (DPU) issued a Phase I Order approving the filed ESMPs as strategic plans. On June 13, 2025, the DPU issued a Phase II Order approving a subset of the proposed investments and an interim cost-recovery mechanism.

<sup>&</sup>lt;sup>1</sup> G.L. c. 164, §§ 92C.

### Draft GMAC Workplan for 2026

The GMAC is authorized to submit a budget for approval to the DPU to support its activities on an annual basis. The DPU found that the GMAC and EDCs should engage in ongoing collaboration in between ESMP filings.<sup>2</sup>

#### Plan Purpose

The purpose of this document is to provide a clear and transparent plan for how GMAC will conduct its work in 2026 and fulfill its mandate to support least-cost and transparent grid planning. The years leading up to the next draft ESMPs in 2029 allow the GMAC additional time to investigate, assess, and collaborate on discrete elements of GMAC's responsibilities and the ESMPs as described by the Act. While this plan looks at 2026 comprehensively, revisions and refinements may be made to the plan throughout the year in response to GMAC members' feedback and recommendations.

This plan has been informed by input from all GMAC members, particularly from a written survey and several small group discussions. Some of the themes of this input include general agreement from GMAC members that:

- The scope of the GMAC covers grid modernization, which includes review of distribution system planning.
- The GMAC's role is to be an advisor on issues related to ESMPs, providing guidance to the EDCs, the DPU, and other stakeholders engaged in ESMP activities (e.g., municipalities, stakeholders in related work groups).
- It is useful for the GMAC to compile and present educational materials on ESMP topics, with the goal of informing GMAC members and other "201-level" stakeholders that are engaged in ESMP-related activities (e.g., municipalities, stakeholders in related work groups).
- The GMAC should monitor DPU ESMP dockets on biannual reports and cost recovery, but should not intervene or otherwise engage in these DPU ESMP dockets.
- The GMAC should monitor ESMP-related activities, such as related DPU dockets or working groups, but not spend much time engaging in those activities.
- The GMAC should work towards better informing itself in preparation for reviewing and providing recommendations on the draft 2029 ESMPs.

### Role of the GMAC

The landscape of grid modernization and distribution system planning is rapidly evolving in Massachusetts. The DPU ESMP Phase I and Phase II Orders added clarity around implementation expectations and scope of the ESMPs<sup>3</sup>, the 2024 Climate Law created new

<sup>&</sup>lt;sup>2</sup> Electric Sector Modernization Plans, D.P.U. 24-10, D.P.U. 24-11, D.P.U. 24-12 (Aug. 29, 2024) (ESMP Phase I Order) at 81.

<sup>&</sup>lt;sup>3</sup> "The Department has determined it will review the ESMPs as strategic plans, including whether each plan complies with the requirements of Section 92B", ESMP Phase I Order at 242.; Electric Sector Modernization Plans;

### Draft GMAC Workplan for 2026

Climate Vulnerability and Resilience Plan (CVRP) requirements for the ESMPs<sup>4</sup>, and Governor Healey has proposed legislation that would further evolve the ESMP and distribution system planning space.<sup>5</sup>

To ground planning and scoping efforts for the next calendar year, the GMAC adopts the following definitions and intention for its role in 2026.<sup>6</sup>

<u>Grid Modernization</u> is the process of enabling the electric grid to support the evolving needs of the economy and climate, including decarbonization, affordability, and other drivers of increasing demand for electric capacity, and heightened system resilience. Grid modernization includes enabling new technologies, functionality, programs, and other supporting systems that go beyond the technologies that have been used traditionally to ensure safe and reliable grid services.

Electric Distribution System Planning is a forecast, analysis, and solution planning cycle the electric utilities conduct for maintenance and development of the grid, including both traditional distribution solutions and grid modernization solutions. The goal is to maintain safe, reliable, and affordable service while also efficiently operating the existing electrical facilities that make up the grid.

GMAC Role: In 2026, the GMAC will collaborate as a Council to advance grid modernization in Massachusetts. It will investigate specific elements of distribution system planning that align with the GMAC statutory objectives of encouraging least-cost investments in the electric distribution system, alternatives to investments or to financing investments that facilitate meeting emissions reductions limits, and increasing transparency and stakeholder engagement in grid planning processes.

This role aligns with the DPU's finding that the GMAC and EDCs should engage in ongoing collaboration in between ESMP filings. Some specific areas the DPU identified for potential GMAC work include: (1) exploring each company's investment reprioritization process based on updated forecasts; (2) presentations and collaboration on forecasting methods and least-cost investments; (3) sensitivity analyses for 2050 long-term demand assessments, and (4) resiliency considerations to inform future CVRP and ESMP filings.

<sup>&</sup>quot;The Department reiterates that in the long term, cost recovery for grid modernization and resiliency will be accomplished through base distribution rates as part of the utilities' standard business practices" [D.P.U. 24-10, D.P.U. 24-11, D.P.U. 24-12 (Jun. 13, 2025) (ESMP Phase II Order) at 1.]

<sup>&</sup>lt;sup>4</sup> G.L. c. 164, §§ 92B(iv).

<sup>&</sup>lt;sup>5</sup> "An Act relative to energy affordability, independence and innovation", Bill H.4144, Section 30 at 74.

<sup>&</sup>lt;sup>6</sup> The GMAC will reevaluate these definitions and its role in grid modernization on an annual basis.

<sup>&</sup>lt;sup>7</sup> G.L. c. 164, §§ 92C and ESMP Phase I Order at 81.

<sup>&</sup>lt;sup>8</sup> ESMP Phase I Order at 150.

<sup>&</sup>lt;sup>9</sup> *Id.* at 82.

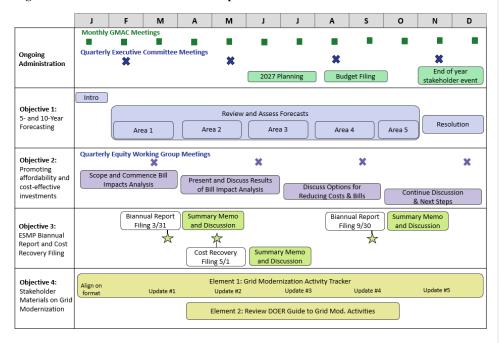
<sup>10</sup> Id.at 139.

<sup>&</sup>lt;sup>11</sup> ESMP Phase II Order at 152.

### 2026 Workplan

GMAC's workplan for 2026 is organized by ongoing administration and four objectives, described in greater detail below and illustrated in Figure 1. The GMAC will meet on a monthly basis, the Executive Committee will meet on a quarterly basis, and the Equity Working Group will meet on a quarterly basis. The GMAC will host an end-of-year public event to provide interested stakeholders an overview of ESMP implementation progress, as well as a readout of work products ready for public engagement from the GMAC's 2026 work plan.

Figure 1. Overview of draft GMAC workplan for 2026.



## 1. Collaborate on EDC forecasting

Objective	The GMAC will learn about EDC short-term (5- and 10-year) forecasting practices, methods, and assumptions, including key inputs such as step loads, electrification impacts, and DER impacts. The GMAC will prepare and vote on a resolution that summarizes the GMAC's investigation, identifies GMAC observations, and describes GMAC priorities and initial recommendations for forecasts in the next draft ESMP review.
Goals	<ol> <li>Deepen GMAC understanding of EDC forecast practices, methods, and assumptions.</li> <li>Improve EDC forecasting through leveraging GMAC expertise and through GMAC observations and recommendations.</li> <li>Increase transparency of EDC forecasting practices and planning.</li> <li>Broaden GMAC member awareness of concurrent activities in Massachusetts that might impact forecasts.</li> </ol>
Connection to GMAC Role	<ul> <li>Aligns with DPU recommendation that the EDCs present to develop the GMAC's knowledge of the EDC forecast methodologies.</li> <li>Supports GMAC understanding of the EDC forecasts, review of the 2029 draft ESMPs, and review of utility reprioritization of investments in biannual reports.</li> <li>Provides input for EDCs to consider in developing the draft 2029 ESMPs.</li> <li>Develops public-facing materials for improving understanding of forecasts.</li> </ul>
Workplan	<ul> <li>Introduction and Overview (January)</li> <li>Overview of 5 and 10-year forecasts with information on the difference between forecasts and demand assessments, use cases for each, and the role of forecasting in informing investment decisions.</li> <li>Finalize the forecasting areas to be discussed throughout the year and discuss invitations to external speakers who may provide additional context on the area under discussion.</li> </ul>
	<ul> <li>Forecast Area Deep Dives (February-October):</li> <li>Current plan is to spend two months on four of the forecast areas, and one month on one forecast area (see timeline below).</li> <li>Meeting 1: Presentations from the EDCs on current forecasting practices, methods, and assumptions followed by GMAC questions, observations, and facilitated discussion.</li> <li>Meeting 2: Presentations from GMAC members and/or external experts on ongoing activity relevant to the forecast areas. GMAC discussion and observations or recommendations relating back to EDC forecasts.</li> <li>Information on each forecasting area will be compiled and summarized in a brief memo after each topic.</li> <li>Proposed Forecast Areas         <ul> <li>Area 1: Baseloads &amp; large loads (step/spot loads)</li> <li>Area 2: Transportation electrification (electric vehicles)</li> <li>Area 4: DERs (solar and storage)</li> <li>Area 5: Demand response and other load reducers</li> </ul> </li> </ul>
	<ul> <li>Area 3: Buildings (heat pumps energy efficiency, codes)</li> </ul>

# **Commented [AE1]:** Questions for GMAC:

- •We are planning to spend one hour of each GMAC meeting on this objective. Does this seem sufficient?
- •How many topics is reasonable to cover? Do you have any alternative ideas for using meeting time to learn about and discuss forecast areas?
- •Can GMAC members identify if there are topics they are interested to present/speak on?
- •Would GMAC members like to take longer on this objective (e.g., 2 meetings per area, 6 areas, and work on this through mid 2027)?

## Commented [AE2]: Question for GMAC:

For the different topic areas, who would you like to hear from in addition to the EDCs?

### **Commented [AE3]:** Question for GMAC:

Are there forecast areas missing from the current list? Do you think we should change or swap topics?

Note: The current list was developed based off the areas the EDCs jointly used in their ESMP forecast chapter (Chapter 5). All of the EDCs describe their forecasts using the following sections:

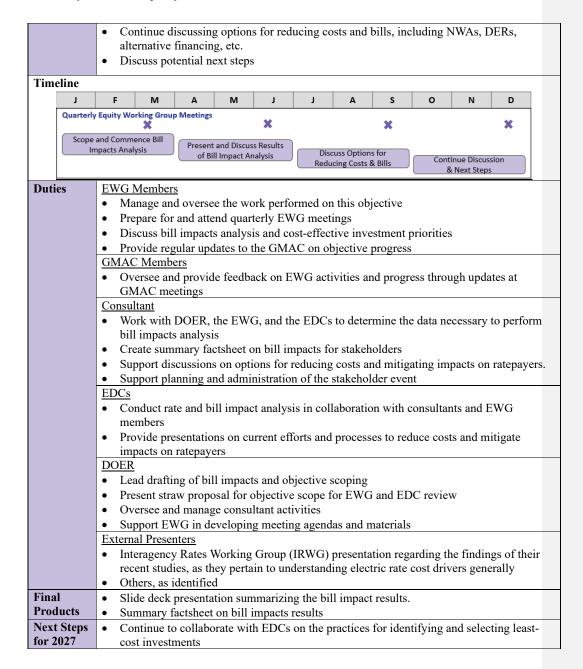
Baseload forecasts (weather normalized econometric forecast); large load (step/spot load); EE; DER (PV, BES, Grid services); EV; Heat electrification

#### GMAC Resolution on Forecasting (November-December) Documentation of EDC forecasting practices, methods, and assumptions in a summary document. Resolution with observations on Companies' process, inputs, differences, and general recommendations for next ESMP. GMAC presentation on this work at the end-of-year stakeholder event Timeline D Intro Review and Assess Forecasts Resolution Area 2 Area 3 Area 4 Area 5 Area 1 **Duties GMAC Members** Attend GMAC meetings having reviewed meeting materials in advance Engage in productive and collaborative discussion with members and speakers Lead and facilitate discussions during meetings as assigned by DOER Deliver presentations if forecast area is related to member representation Discuss, review, and vote on a resolution that memorializes GMAC observations and recommendations to the EDCs on forecasts Consultants Support DOER with agenda development and materials coordination with speakers Identify discussion questions for meetings and prepare GMAC member facilitators Take minutes at GMAC meetings per Open Meeting Law requirements Draft summary of EDC forecast elements after each forecast area is discussed to include in final GMAC resolution Document and synthesize GMAC forecasting observations and recommendations discussed during meetings Prepare initial draft of GMAC resolution based on synthesized observations and recommendations **EDCs** Present on forecast scope, inputs, forecast uses, and updating process. Respond to GMAC member questions and collaborate during discussions **DOER** • Develop agendas for each forecasting topic Chair GMAC meetings and facilitate GMAC discussion **External Presenters** Provide presentations on relevant activities that might impact Massachusetts sectorspecific forecasting (ex. EVICC, Mass Economics, EEAC) Provide presentations offering observations on forecast areas and responding to EDC forecasts, if relevant. **Final** GMAC resolution containing summary of EDC forecasting elements and processes and **Products** observations and recommendations on EDC short-term forecasts Collaborate with EDCs on demand assessments, sensitivity analyses, and further learn **Next Steps** for 2027 how the short-term forecast and demand assessments inform investment decisions.

# 2. Promoting affordability and cost-effective investment alternatives

Objective	The EWG will (1) request that the EDCs prepare and present forecasts of bill impacts resulting from direct ESMP and ESMP-related core investments; and (2) discuss and collaborate with the EDCs on cost-effective investments and alternative approaches to financing investments.
Goals	<ul> <li>Document and make transparent the projected bill impacts of each EDC's planned direct ESMP and ESMP-related core investments</li> <li>Improve EWG and GMAC members' knowledge of investment alternatives and initiate discussions on how to minimize costs and ratepayer impacts</li> <li>Document EWG and GMAC discussions on promoting least-cost distribution planning and mitigating impacts on ratepayers</li> <li>Collaborate with EDCs on cost-effective alternative investment options for next ESMP</li> </ul>
Connection to GMAC Role	<ul> <li>Encourages least-cost investments in the distribution system, alternatives to investments, or alternative approaches to financing investments</li> <li>Supports minimizing or mitigating impacts on ratepayers</li> <li>Increases transparency of the grid planning process</li> </ul>
Workplan	<ul> <li>Quarter 1: Scoping &amp; Analysis</li> <li>Gain awareness and understanding of ongoing energy affordability work in Massachusetts, including the work of the Interagency Rates Task Force.</li> <li>Determine the scope and design of the 2026 bill impacts analysis, including which investments should be included.</li> <li>Discuss the GMAC's role in encouraging cost-effective investments in the distribution system.</li> <li>Collaborate with EDCs on how to conduct the 2026 bill impact analysis, and associated inputs and method.</li> </ul>
	<ul> <li>Quarter 2: Bill Impacts Presentation and Discussion</li> <li>Based on Q1 discussion, EDCs present bill impact analysis to EWG</li> <li>Analysis updated as necessary based on the first ESMP cost recovery filing on May 1st</li> <li>EWG discusses the bill impact results and whether further analysis is warranted</li> <li>Consultant produces summary factsheet on bill impacts analysis</li> <li>Revisit scoping discussion and determine Q3 goals</li> </ul>
	<ul> <li>Quarter 3: Discuss Cost-Effective Investments/Alternatives and Priorities</li> <li>Engage in level-setting discussion on the factors considered when evaluating investments beyond the cost of investments</li> <li>Discuss least cost vs. cost effective investments</li> <li>Discuss options for reducing costs and bills, including but not limited to NWAs, DERs, alternative financing, benefit-cost analysis methods and assumptions</li> <li>Discuss EDC processes to determine and evaluate least cost and alternative investments</li> </ul>
	Quarter 4: Next Steps     Present completed and proposed future work at the end-of-year event to publicize GMAC's efforts to identify cost-effective alternatives to traditional capital investments and mitigate impacts on ratepayers.

Commented [JF4]: Question for GMAC: Who else should EWG hear from?



## 3. ESMP biannual report and cost recovery filings

Obj	jective	The GMAC will monitor ESMP implementation through review of the EDC biannual reports and cost recovery filings and develop summary documents to educate GMAC members and other stakeholders engaged in ESMP activities. The GMAC will discuss if any additional information would help its review and
		understanding of ESMP implementation.
Goa	als	<ul> <li>Keep GMAC members up-to date on ESMP implementation</li> <li>Increase transparency of ESMP implementation and planning</li> <li>Improve transparency of future biannual reports</li> </ul>
Cor	nection	Supports GMAC review of next draft ESMPs.
to C	GMAC	• Provides input for EDCs to consider in developing the draft 2029 ESMPs.
Rol	e	Increases transparency of the grid planning process
Wo	rkplan	Memo and Discussion of March 31, 2026 biannual report     March report to include ESMP implementation progress of past calendar year.     Consultant drafts summary memo of ESMP biannual report content     GMAC and EWG discuss biannual report in meetings identifying if there are
		<ul> <li>ways to improve transparency of reports and implementation successes and challenges. GMAC discusses observations it may want to document.</li> <li>Consultant updates and finalizes memo with GMAC and EWG comments on the alignment of biannual report contents and structure with GMAC priorities.</li> </ul>
		<ul> <li>Memo and Discussion of May 1, 2026 annual cost recovery filing</li> <li>Consultant summary memo on annual cost recovery filing, reporting on investment implementation progress, alignment with biannual reports.</li> <li>GMAC discusses cost recovery filing and any observations.</li> </ul>
		<ul> <li>Memo and Discussion of September 30, 2026 biannual report</li> <li>The September report will include updates and planned investments and programs for upcoming calendar year.</li> <li>Develop summary memo on ESMP biannual report content</li> <li>GMAC and EWG discuss biannual report in meetings identifying if there are ways to improve transparency of reports and implementation successes and challenges. GMAC discusses observations it may want to document.</li> <li>Consultant updates and finalizes memo with GMAC and EWG comments on the alignment of biannual report contents and structure with GMAC priorities</li> <li>Public Presentation of ESMP Implementation Progress</li> <li>At end-of-year GMAC stakeholder event, EDC and GMAC members co-lead presentation and discussion of ESMP implementation progress over the past year. Provide opportunity for public feedback and questions.</li> </ul>
Tin	ieline	
	J	F M A M J J A S O N D
		Biannual Report Filing 3/31  Summary Memo and Discussion  Biannual Report Filing 9/30  Summary Memo and Discussion
		Cost Recovery Summary Memo
		Filing 5/1 and Discussion

## **Commented [JF5]: Question for GMAC:**

How can the EDCs and GMAC consultant best collaborate on providing a presentation and summary memo of the biannual reports to the GMAC?

## Do you prefer:

A.Consultants first summarize biannual reports before the EDCs present summary slides during the GMAC meeting. The consultants then add synthesis of GMAC observations to memo based on meeting discussion.

B.EDCs first present summary slides at GMAC meeting and consultant prepares summary memo that can address any gaps of information not covered by EDC slides. The consultants then add synthesis of GMAC observations to memo based on meeting discussion.

### **Duties GMAC Members** Review and discuss summaries of the biannual reports and cost recovery filings provided by consultants during GMAC meetings. Discuss observations on the reports and filings during meetings Equity Working Group members discuss observations on equity and stakeholder engagement reporting/implementation Provide feedback on consultant drafts of cumulative GMAC member observations end-of-year report Co-present on the GMAC process and elements of ESMP progress over 2026 at end-of-year event. Consultant Collaborate with EDCs on providing summary presentations and on biannual and cost recovery reports Produce summary memos on biannual and cost recovery reports Document and synthesize GMAC and EWG member observations on reports and filings to include in each summary memo Support planning and administration of end-of-year public event **EDCs** Collaborate with consultants on providing summary presentations on biannual and cost recovery reports Discuss information provided in biannual reports and cost recovery filing at GMAC meetings Co-present on elements of ESMP implementation progress at end-of-year event **DOER** Chair GMAC meetings and facilitate discussion Oversee development of consultant summary memos with GMAC observations Develop agenda for end-of-year public event for GMAC feedback Final March 2026 Biannual Report Summary Memo + GMAC Observations **Products** May 2026 ESMP Cost Recovery Filing Summary Memo + GMAC Observations September 2026 Biannual Report Summary Memo + GMAC Observations Public presentation on ESMP implementation progress **Next Steps** Evaluate and adjust GMAC review process as needed for 2027 Continue biannual report and cost recovery filing review

**Commented [AE6]:** See comment and question above on EDC versus GMAC consultant roles.

# 4. Tracking Grid Modernization in Massachusetts

Objective	Develop and maintain GMAC knowledge of and alignment around concurrent activities related to grid modernization, including but not limited to related DPU dockets and other relevant working groups, Councils, and ongoing processes.									
Goals	Develop and maintain GMAC knowledge of ongoing activities related to grid modernization that may be otherwise disparate and siloed.      Improve transparency of grid modernization activities in Massachusetts									
Connection to GMAC Role	<ul> <li>Supports GMAC knowledge of activities related to ESMPs and grid modernization.</li> <li>Develops materials for improving stakeholder understanding of ESMP-related issues. Supports GMAC review of next draft ESMPs.</li> </ul>									
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### Potential Ideas for the 2027 GMAC Workplan

The following objectives were inspired by GMAC feedback and may be further explored in 2027. As part of ongoing administration, the GMAC will largely discuss strategic planning for 2027 in the end of Q2 – beginning of Q3.

### A. Collaborate on EDC Demand Assessments

- Continuation of load forecast workstream
- Includes GMAC collaboration on demand assessments and sensitivity analyses.
- EDC presentations on demand assessment scope, process, inputs, and uses
- Presentations and discussions on EDC sensitivity analyses for 2050 long-term demand assessment
- GMAC discussion leading to Council resolution & observations memo on Company process and general recommendations for next draft ESMP

# B. Assess EDC <u>Climate Vulnerability Assessments</u> and <u>Climate Vulnerability & Resilience</u> Plans

- Review EDC CVAs and how EDCs are using them to implement resiliency investments.
- Review statutory CVRP requirements and collaborate with EDCs on any progress or planning for them underway.
- Coordinate with resiliency stakeholders and develop GMAC resolution with recommendations on CVRPs for the EDCs to incorporate into their next draft ESMPs.

# C. Assess EDC planning processes and applications of <u>cost-effective and least-cost</u> investments

- Continuation of affordability and cost-effectiveness workstream
- Include a review of non-wires alternatives, bridge-to-wires solutions, load management
  and load flexibility practices and programs, updates on the implementation and use of the
  Grid Services Compensation Fund.
- Evaluate how these elements impact grid capacity and system costs today.

# D. Analyze <u>locational impacts</u> of distribution system infrastructure and approved ESMP investments to understand <u>distributional equity impacts</u>.

- Provide GMAC, EWG, and interested stakeholders with information on the distribution of benefits of ESMP investments. Potential activities:
  - Public Mapping Tool: A map showing locations of distribution system investments including the Grid Services Compensation Fund projects, distribution system infrastructure, resilience investments, substations, and DER deployment.<sup>12</sup>
  - Distributional Equity Report: Analyze locational impacts of EDC planning and investments to assess how well EJCs are being served. Could include focus on EDC resilience performance in EJCs (e.g., SAIDI, SAIFI).
  - Community Benefit Agreements (CBAs) Analysis: After siting and permitting reform regulations are available in early 2026, discuss and translate the results into implications for CBAs resulting from the ESMPs.

<sup>&</sup>lt;sup>12</sup> See a similar project conducted by DPU: Angela Yang, Grid Modernization & Environmental Justice Technical Summary (2024), <a href="https://storymaps.arcgis.com/stories/849bf45ec7dd4012875bc0f4e323c52e">https://storymaps.arcgis.com/stories/849bf45ec7dd4012875bc0f4e323c52e</a>