

The Narragansett Electric Company
d/b/a National Grid

**Review of Power Purchase
Agreements Pursuant to
R.I. Gen. Laws § 39-26.1**

**Work Papers of
Corinne M. DiDomenico**

Redacted
Book 1 of 3

November 1, 2017

RIPUC Docket No. _____

Submitted to:
Rhode Island Public Utilities Commission

Submitted by:
The logo for National Grid, featuring the word "national" in a blue sans-serif font and "grid" in a bold blue sans-serif font.

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. _____
PETITION FOR APPROVAL OF PROPOSED
LONG-TERM CONTRACTS FOR RENEWABLE RESOURCES
PURSUANT TO R.I. GEN. LAWS § 39-26.1
November 1, 2017
Workpapers

Workpapers of Corinne M. DiDomenico

- WP Support Tab A, List of Entities Sent RFP;
- WP Support Tab B [CONFIDENTIAL ONLY], Initial Bid Packages;
- WP Support Tab C [CONFIDENTIAL ONLY], Bidder Communications;
- WP Support Tab D [REDACTED], Qualitative Bid Evaluation.
- WP Support Tab E [REDACTED], Quantitative Scoring Sheet;
- WP Support Tab F [REDACTED], Quantitative Forecast Base Case;
- WP Support Tab G [REDACTED], Redlines of PPAs to Model PPA.

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WP Support Tab B
Electronic Submission
Only
Confidential – see USB
Drive

WP Support Tab C
Electronic Submission
Only
Confidential – see USB
Drive

Non-Price Bid Evaluation Protocol

For the Non-Price Evaluation, rankings for each bid evaluation factor have been developed that will serve as the basis for the evaluation of each bid. Within each factor, each proposal will be classified into one of the following categories based on whether the proposal meets the requirements listed for each factor:

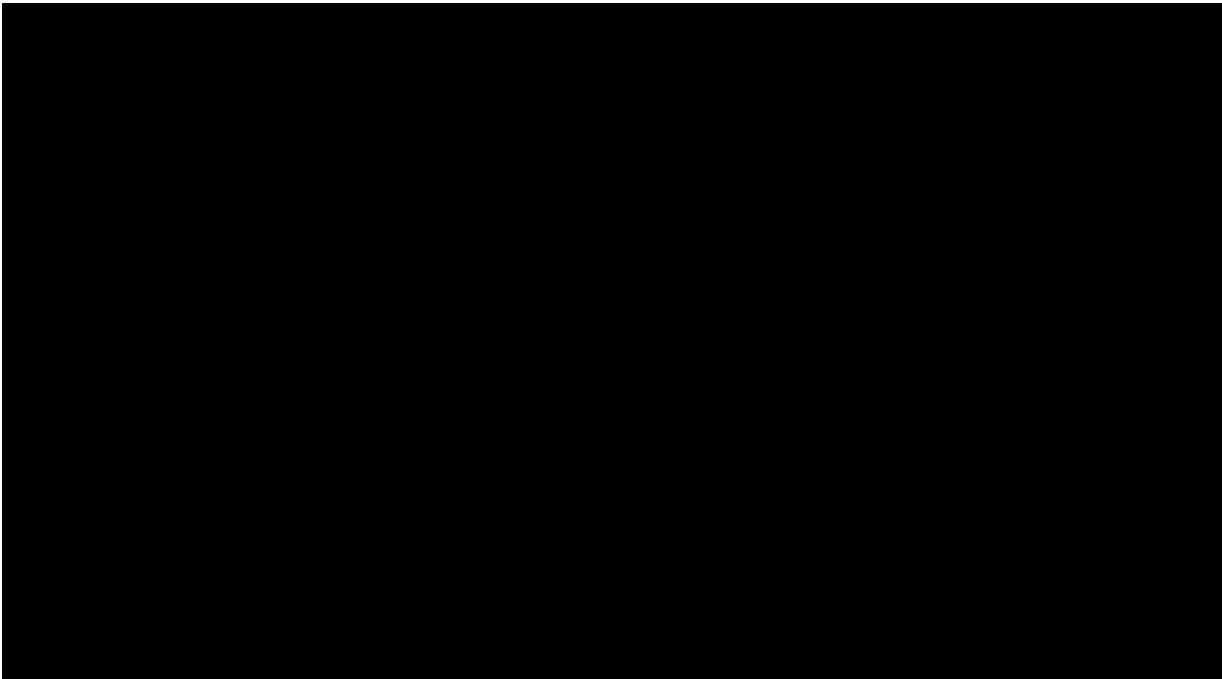


Table 1 presents a list of the non-price factors along with the maximum points allocated to each category. In addition, the criteria considered within each factor are identified.

Table 1: Non-price Evaluation Factors and Criteria

Evaluation Factors	Max Points	Criteria Considered in Each Factor

REDACTED

The Narragansett Electric Company

d/b/a National Grid

RIPUC Docket No. _____

WP Support Tab D

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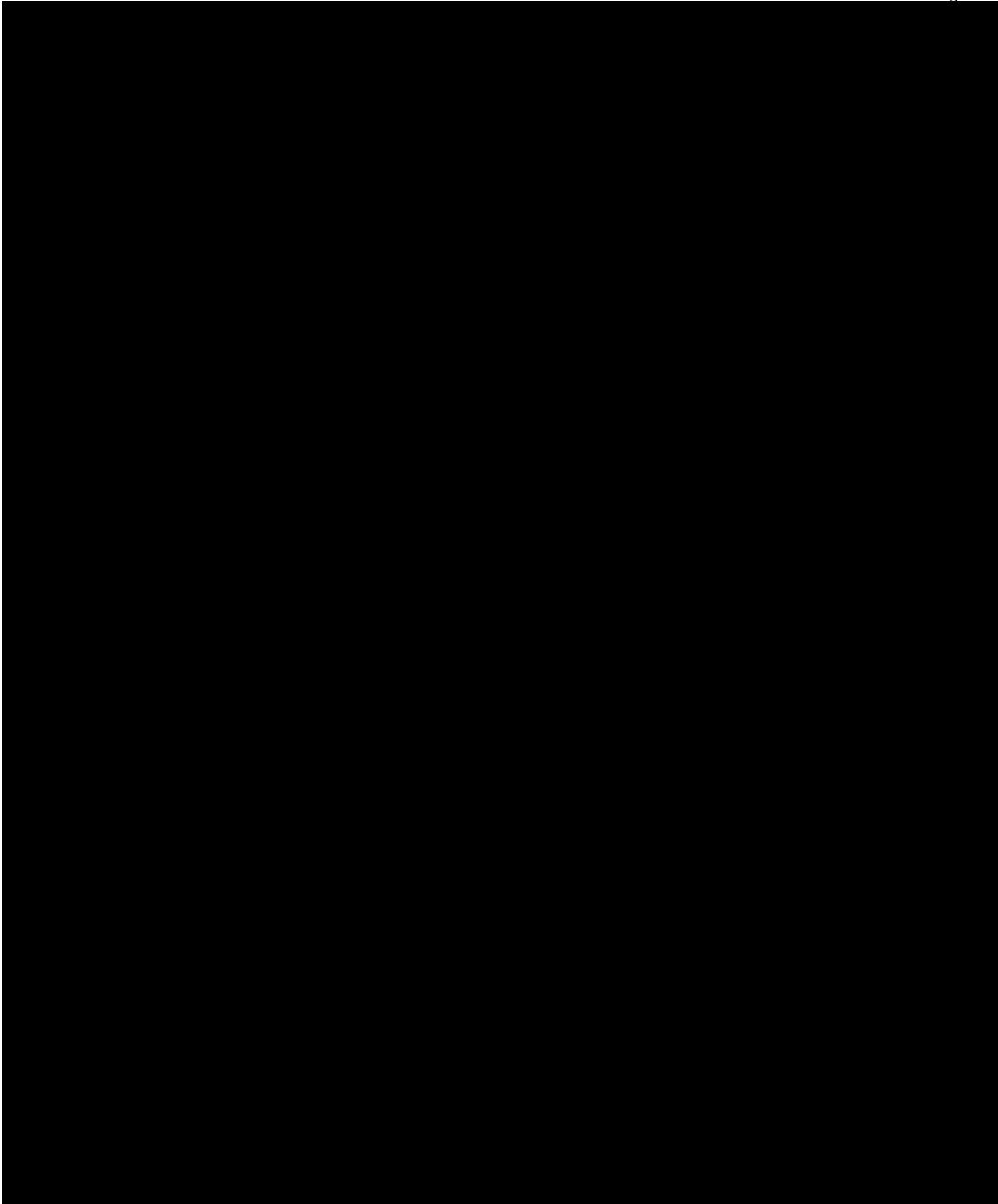


EXHIBIT 1: EVALUATION SHEETS

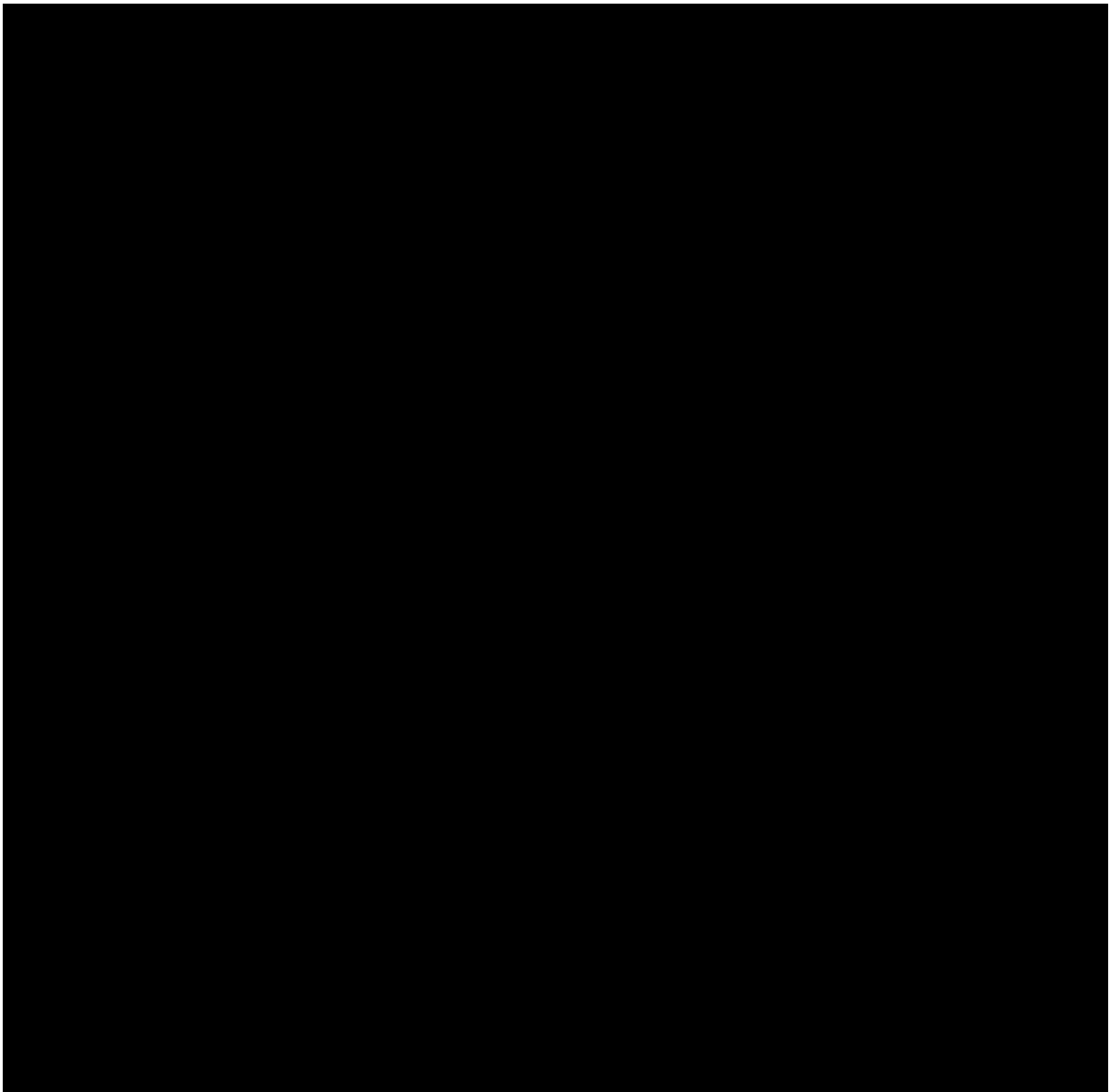
A1. Site Status [RFP Threshold Requirement 2.2.8]

Project Name: _____

Evaluated By: _____

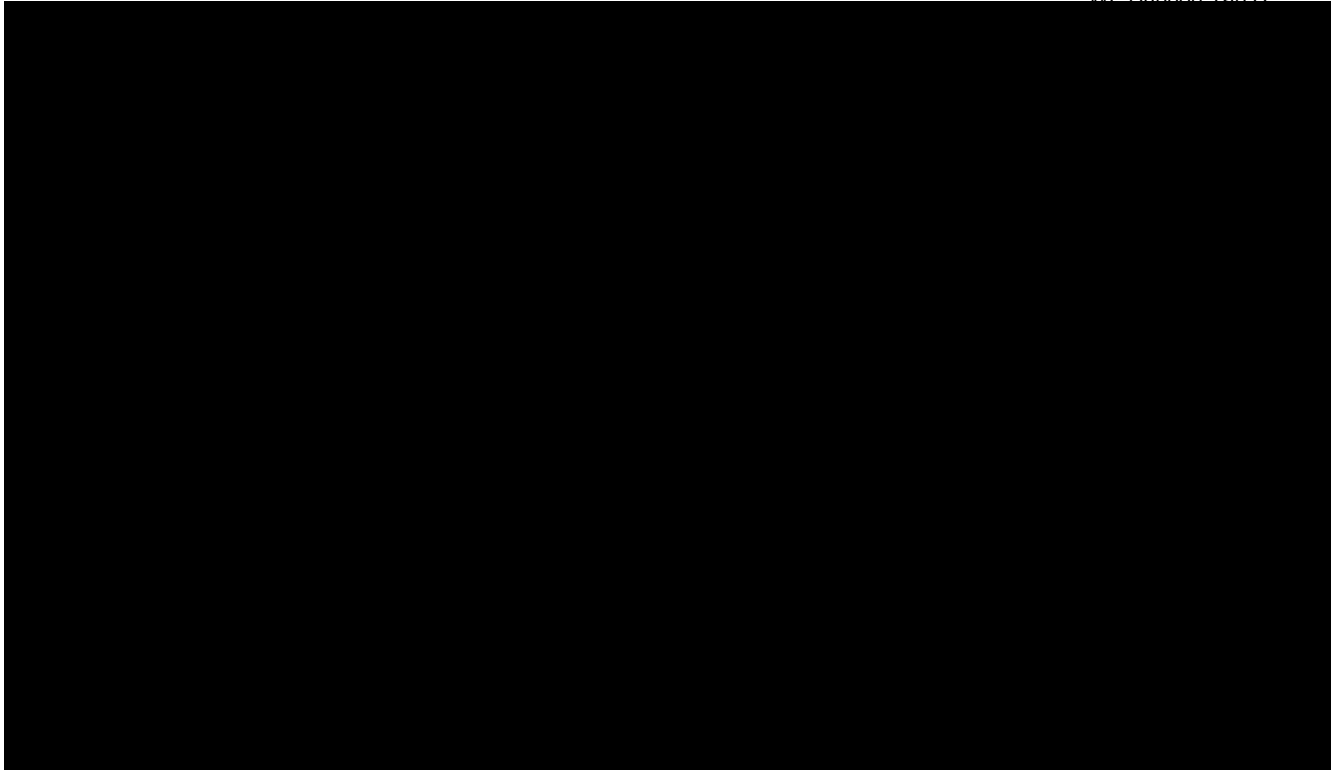
Weight: _____

This criterion relates to the status of site ownership and control by the project sponsor as well as the maturity of site control. In addition, the zoning of the site and the status of any real property rights necessary for the project, including interconnection facilities, are considered.



REDACTED

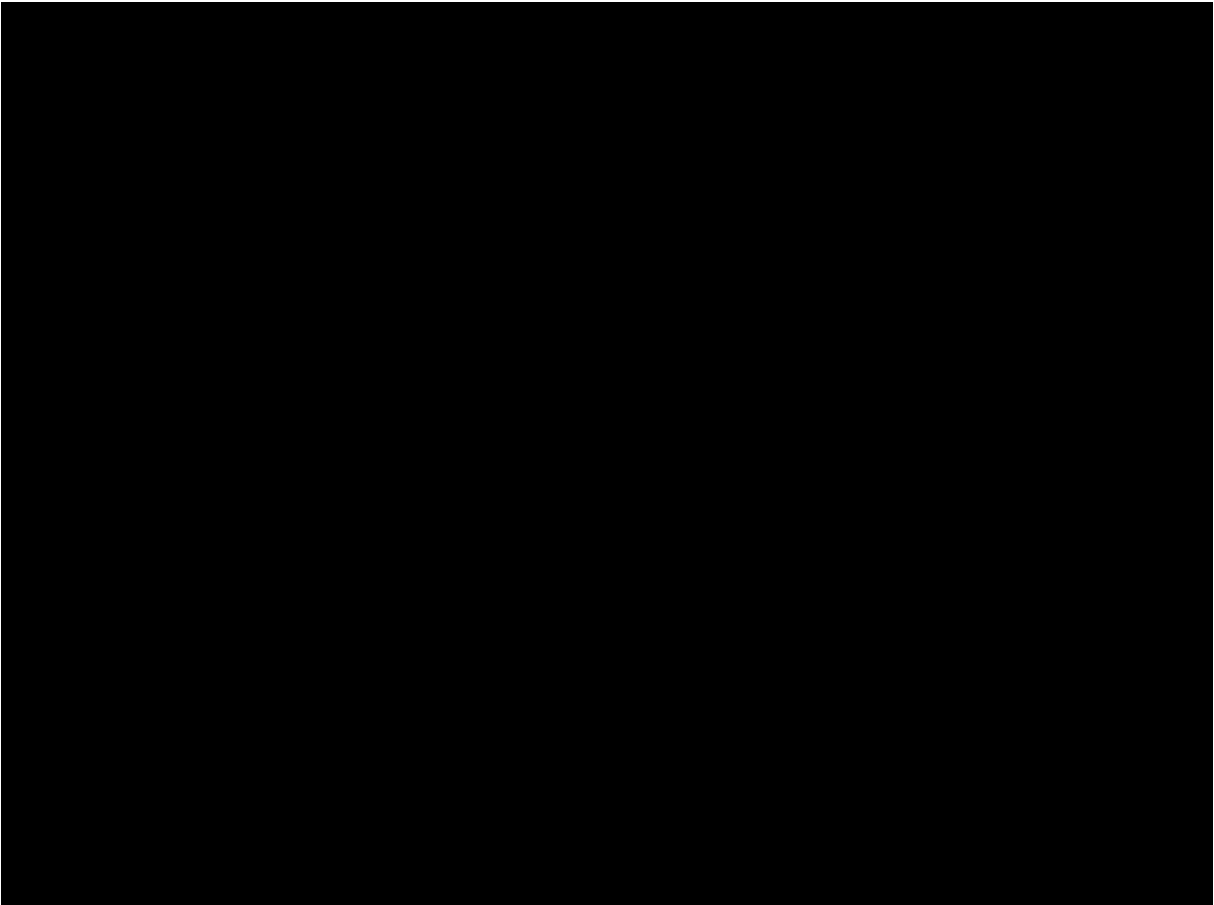
The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. _____
WP Support Tab D



A2. Permits including Zoning and Conformance with Applicable FERC Regulatory Requirements

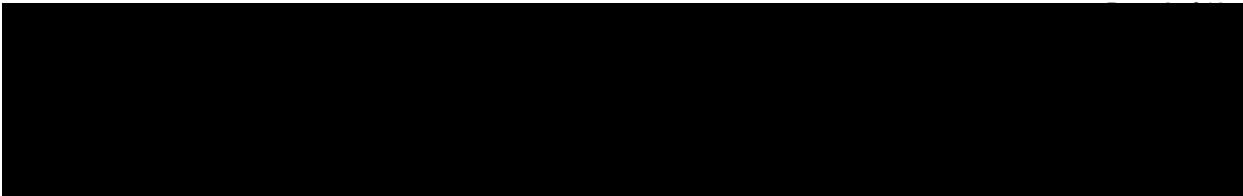
Project Name: _____
Evaluated By: _____
Weight: _____

This criterion evaluates the Bidder's identification of the required permits and approvals, (including obtaining any required zoning variances or zoning changes) status of the permitting process, degree of certainty offered by the Bidder in securing the necessary permits/approvals, and the ability of the project to comply with permitting requirements. Projects in the early stages of development will be evaluated based on the reasonableness and comprehensiveness of their plan for securing permits/approvals. Projects that already have permits in hand or are able to demonstrate that they have thoroughly evaluated the project site, identified all major environmental and regulatory issues and developed a realistic plan for securing permits and approvals will be evaluated more highly. In addition, for bids with transmission components, this factor considers the ability, or likely ability, of the proposed project to conform with applicable FERC regulatory requirements.



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The Narragansett Electric Company
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RIPUC Docket No. _____
WP Support Tab D



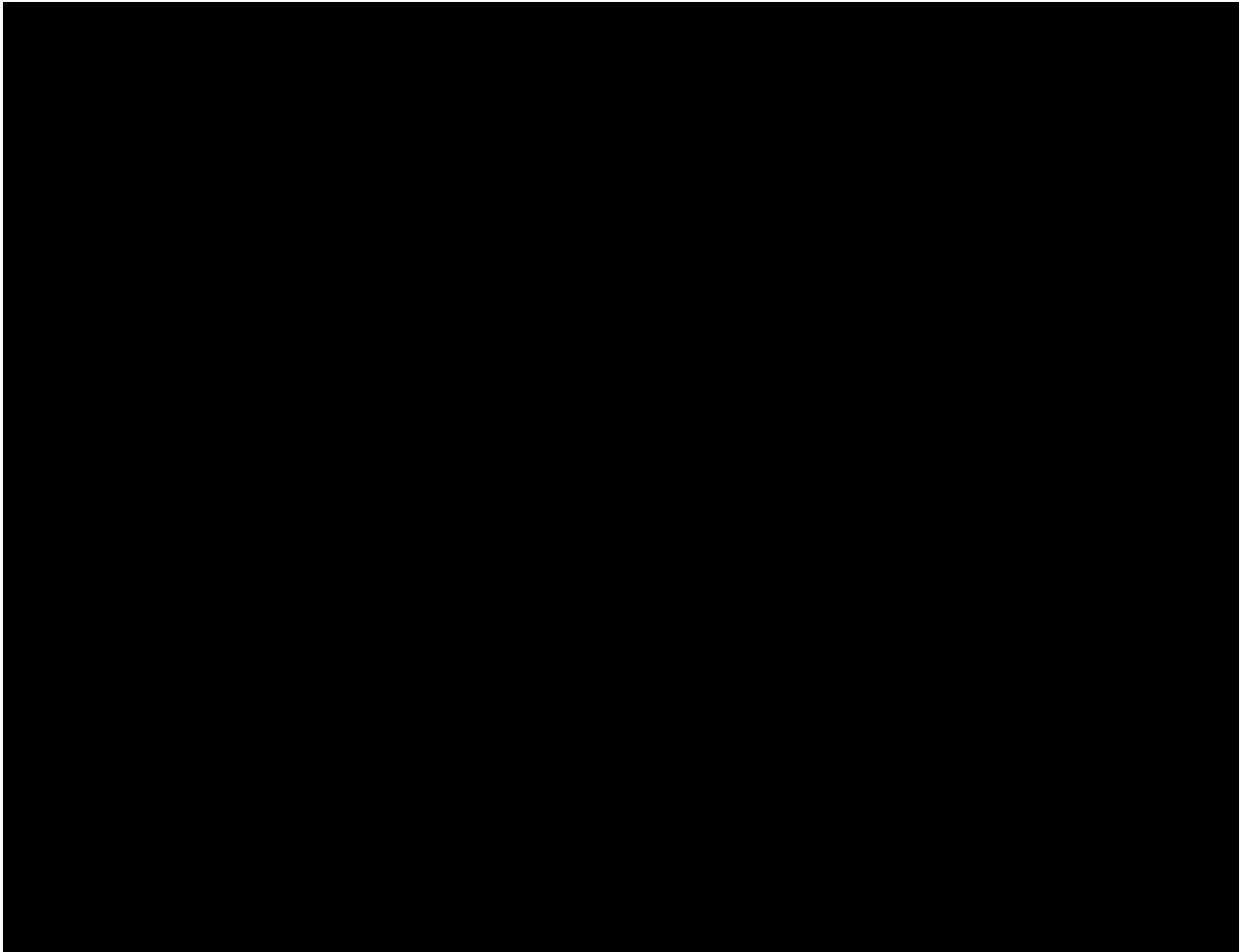
A3. Community Relations

Project Name: _____

Evaluated By: _____

Weight: _____

This criterion addresses the level of community acceptance for the project as well as the plan of the bidder to work with the community regarding the project. Projects which can demonstrate documented support from the local community (or communities, as applicable) will be preferred. Note: depending on the project, “community” may mean a single community or multiple communities.



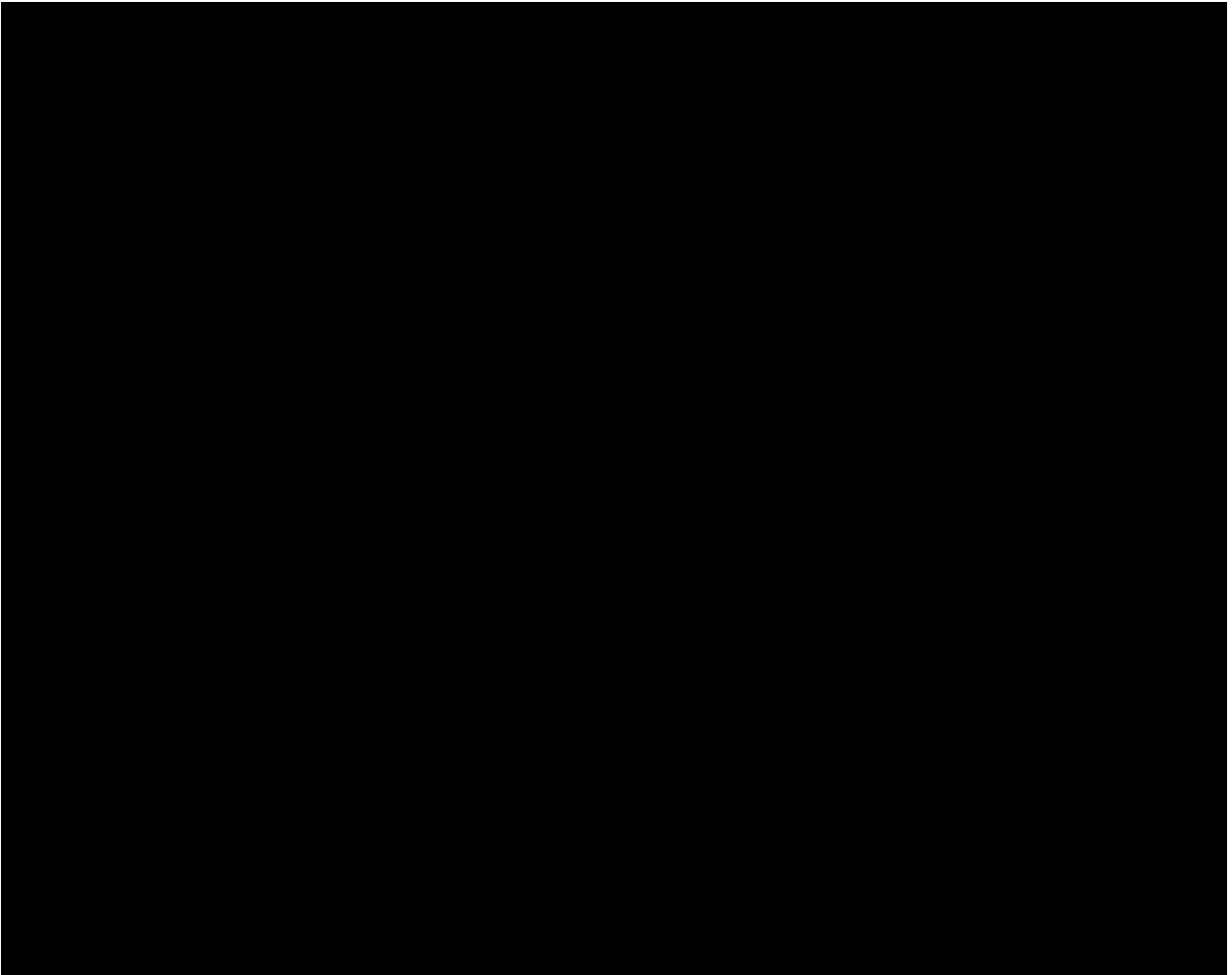
B1. Critical Path Schedule/Commercial Operation Date Certainty

Project Name: _____

Evaluated By: _____

Weight: _____

This criterion addresses whether or not the schedule proposed by the Bidder is complete and credible for meeting the proposed construction start date and commercial operation date. “Credible” means that the project has a likelihood of meeting the milestones in a timely manner to ensure the project meets its in-service date. In addition, the Bidder has identified the tasks on the critical path and any potential impediments to project development and has a reasonable plan to mitigate the impediment.

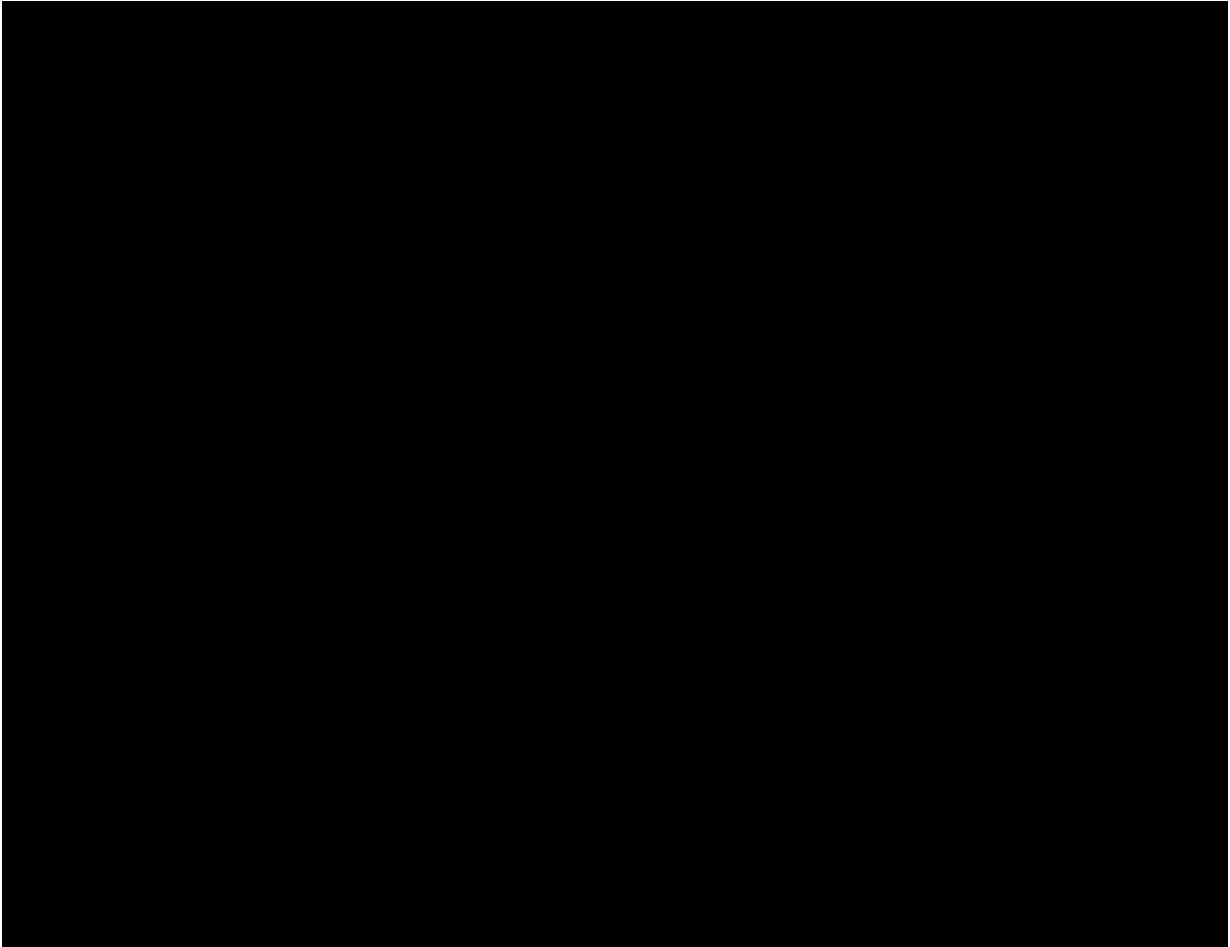


B2. Fuel Supply/Energy Resource Plan for Generation Proposals; Viability of Plan for Development and Construction of Transmission Proposals

Project Name: _____
Evaluated By: _____
Weight: _____

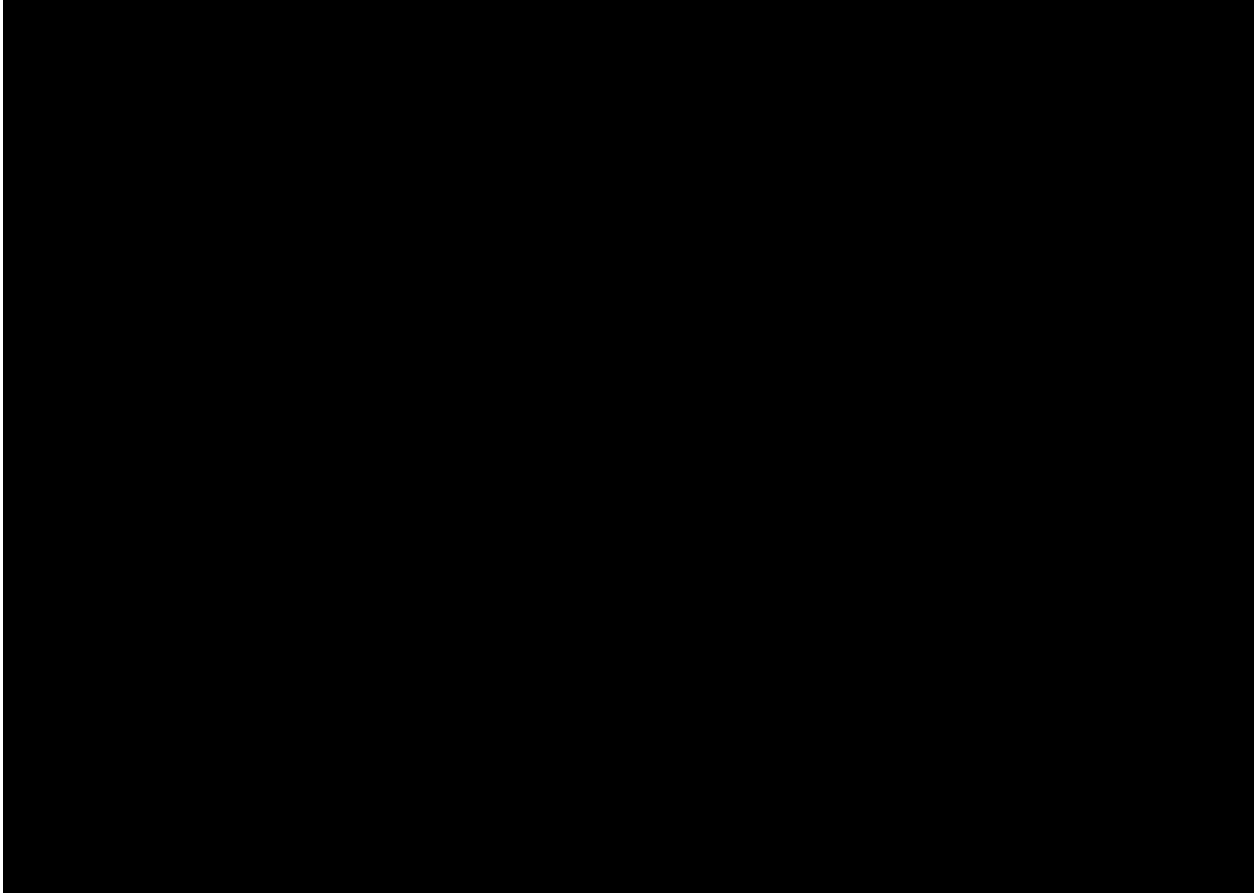
For generation proposals, this criterion addresses the quality of the fuel supply/energy resource plan relative to the type of technology proposed. Projects that can clearly demonstrate a direct relationship between the availability of the required fuel or resource input and proposed output or operations profile will be more highly evaluated. In addition, the quality of the resource plan, the availability and quality of resource data, and other supporting information will be considered.

For generation bids coupled with transmission, this criterion addresses the quality of the proposal for the development and construction of transmission proposals and the degree of confidence that the project will be built and operated as proposed and will have a positive impact on existing transmission constraints.



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The Narragansett Electric Company
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RIPUC Docket No. _____
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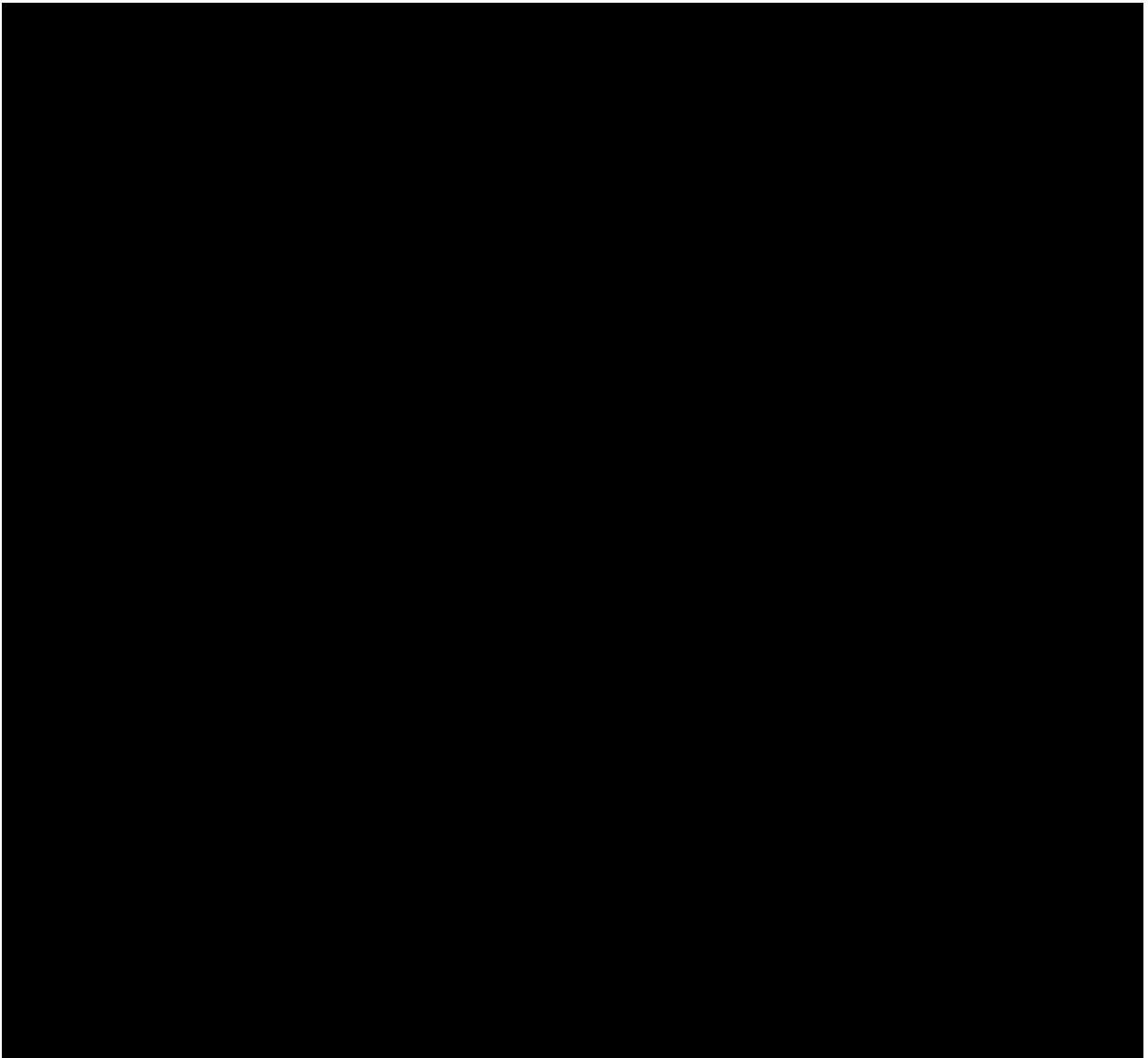
B3. Commercial Access to and Viability of the Proposed Technology [RFP Threshold Requirement 2.2.9]

Project Name: _____

Evaluated By: _____

Weight: _____

This criterion addresses whether or not the technology proposed for the project has a defined track record, has been demonstrated as being reliable in commercial applications, and, for generation projects, whether the Bidder has contractual rights to the equipment. Equipment which has a demonstrated track record of success in commercial applications and to which Bidder has the contractual right to purchase, at least for generation proposals, will be preferred.



B4. Interconnection Status

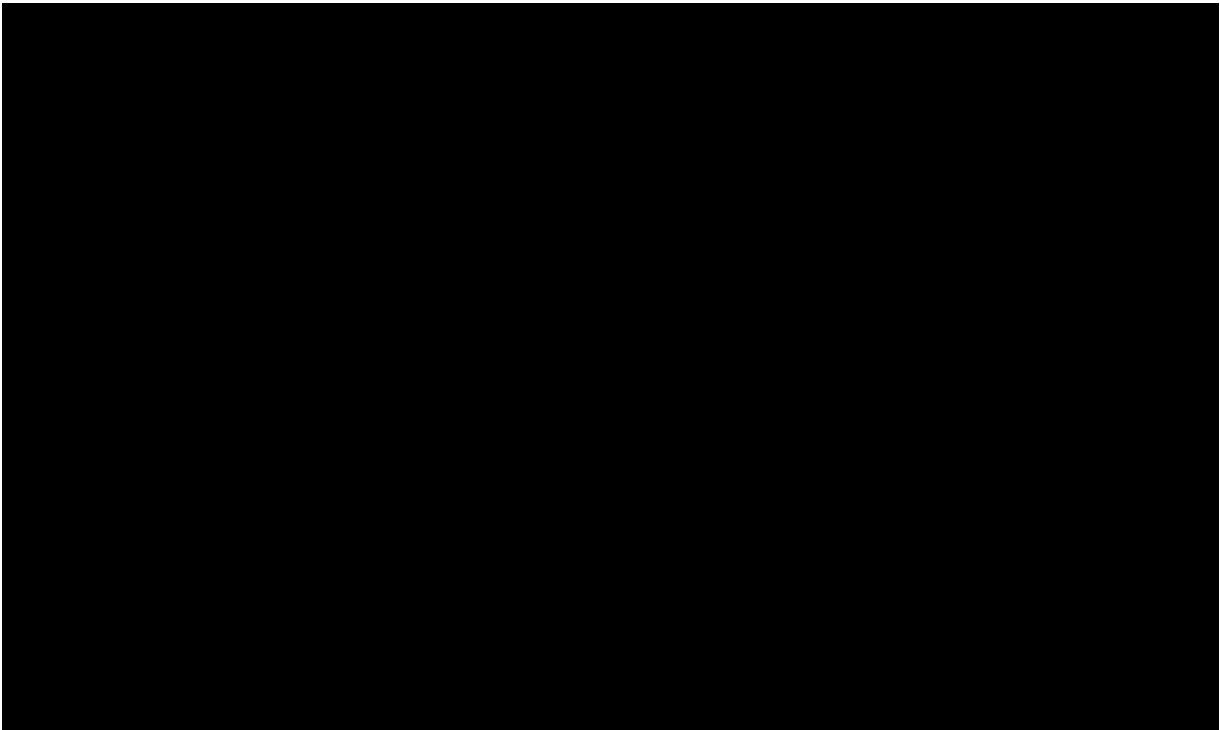
Project Name: _____

Evaluated By: _____

Weight: _____

This criterion assesses the status of the bidder for addressing interconnection requirements and other applicable ISO-NE requirements. Projects which are further along in the interconnection and/or other applicable ISO-NE process will be preferred in this criterion.

Note: for transmission projects, the descriptions below assume that the project is an Elective Transmission Upgrade (“ETU”). If a transmission project developer is proposing that its project be treated as being under a different ISO New England category for transmission, the progress of the project in such category of transmission will be used for purposes of the evaluation in a manner that is similar to that of an ETU.



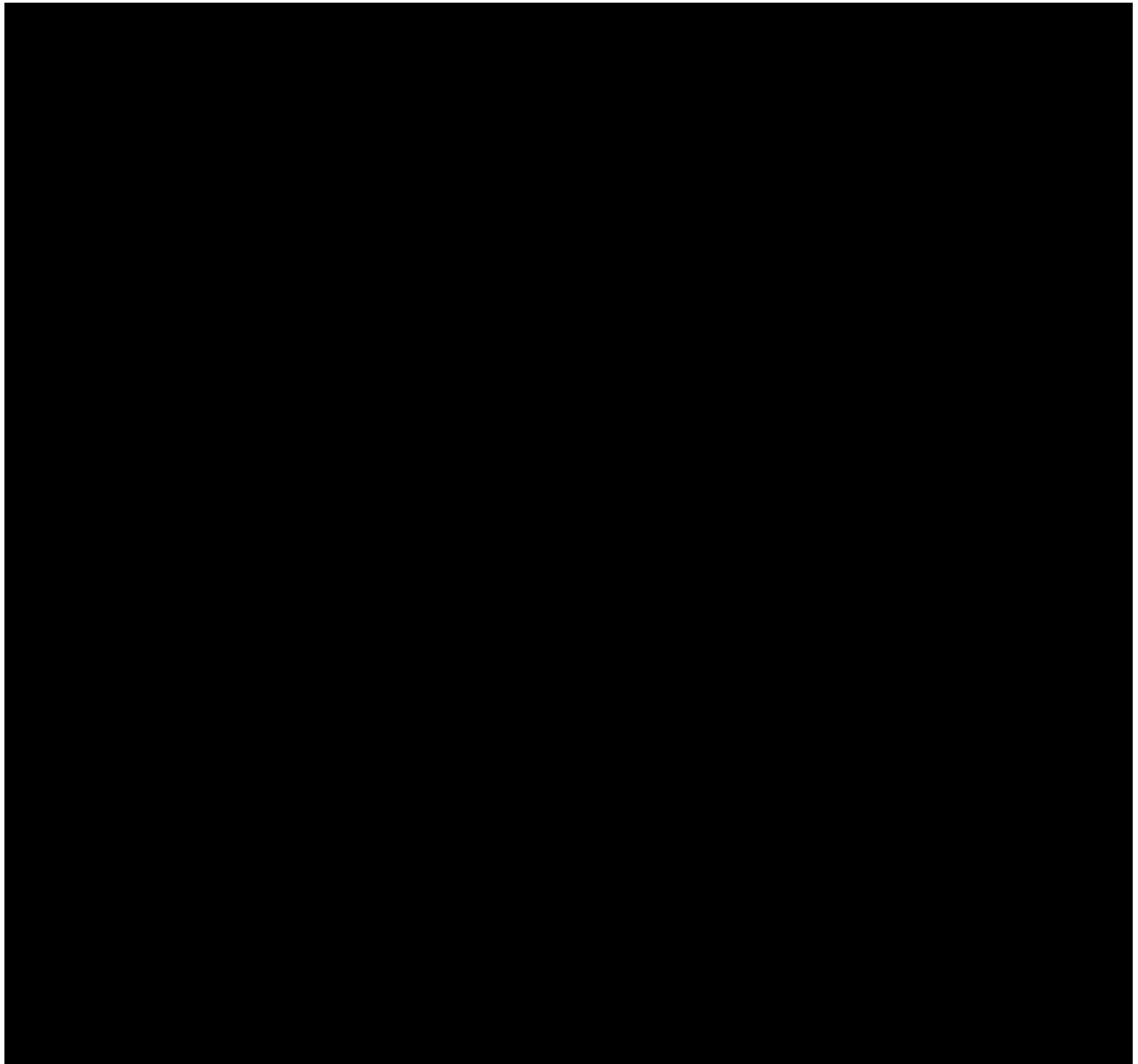
B5. Potential Benefits to the Forward Capacity Market (FCM)

Project Name: _____

Evaluated By: _____

Weight: _____

This criterion assesses the degree to which proposed projects are expected to qualify in the Forward Capacity Market or to otherwise provide benefits in the Forward Capacity Market (“FCM”) relative to other proposals. Such proposals will be preferred relative to other proposals. The pursuit and status of interconnection service (by the bidder or proposed project participant) consistent with qualification in the FCM market will be an important consideration in the evaluation.



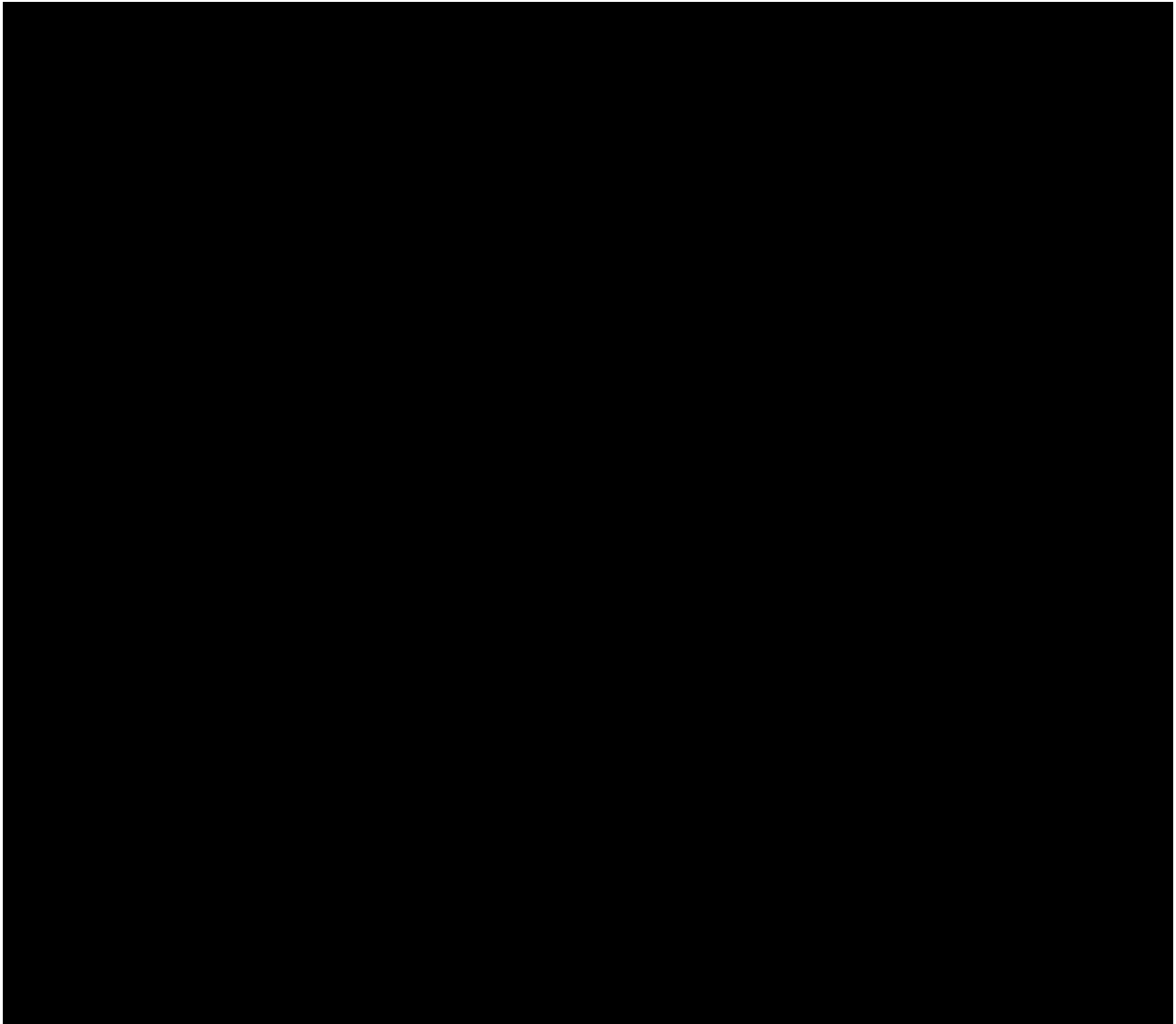
C1. Experience of Bidder [RFP Threshold Requirement 2.2.10]

Project Name: _____

Evaluated By: _____

Weight: _____

This criterion relates to the experience of the Bidder or of its affiliates and project team members in the successful development, financing and operation of projects, the nature and scope of which are comparable to the proposed project and experience with ISO-NE markets (or another NERC-classified RTO market). Bidders (including affiliates) who have successfully developed, financed and operated several projects of the same size and technology and are experienced in ISO-NE markets will be most highly rated.



D1. Financing Plan and Financial Strength of Bidder [RFP Threshold Requirement 2.2.9]

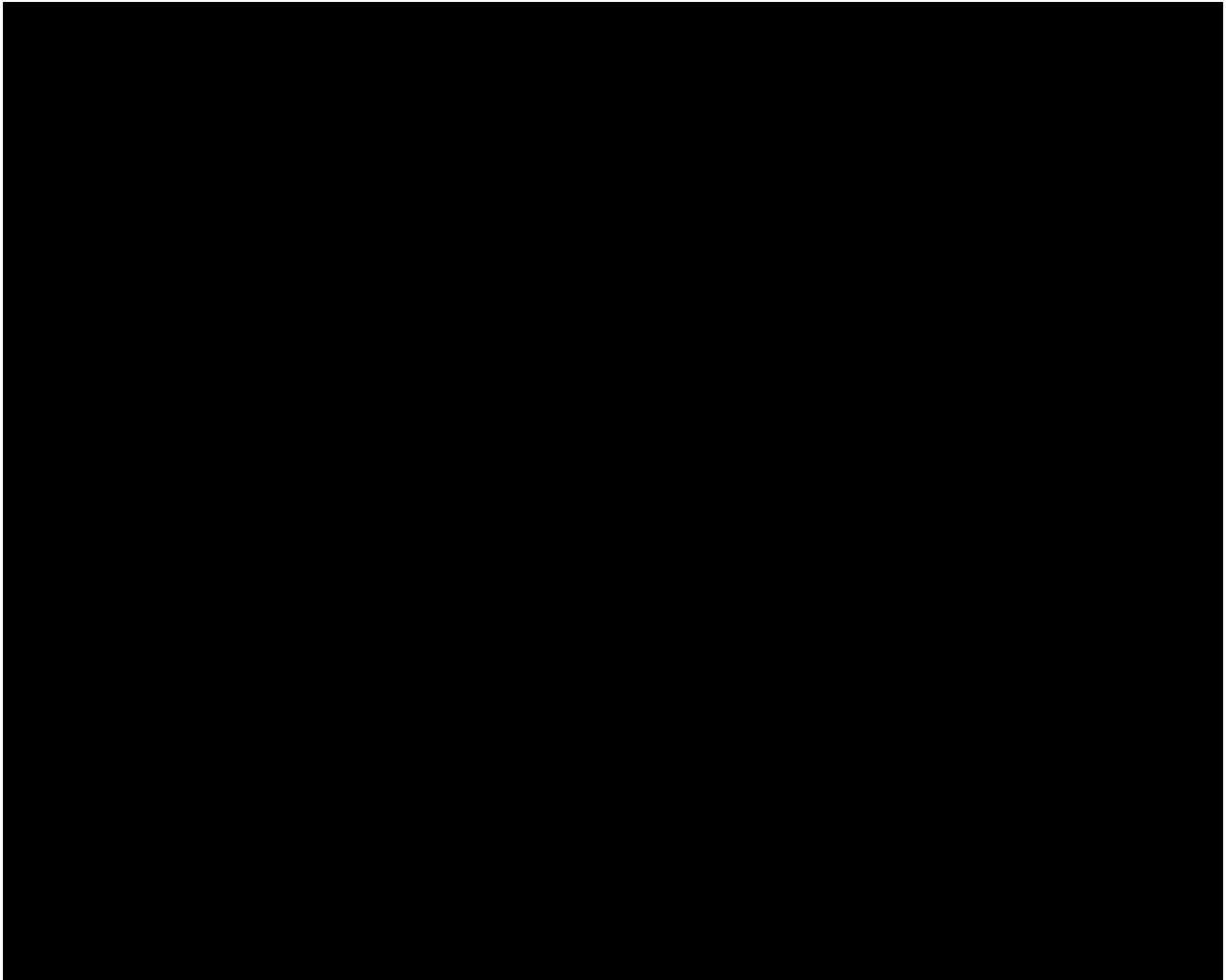
Project Name: _____

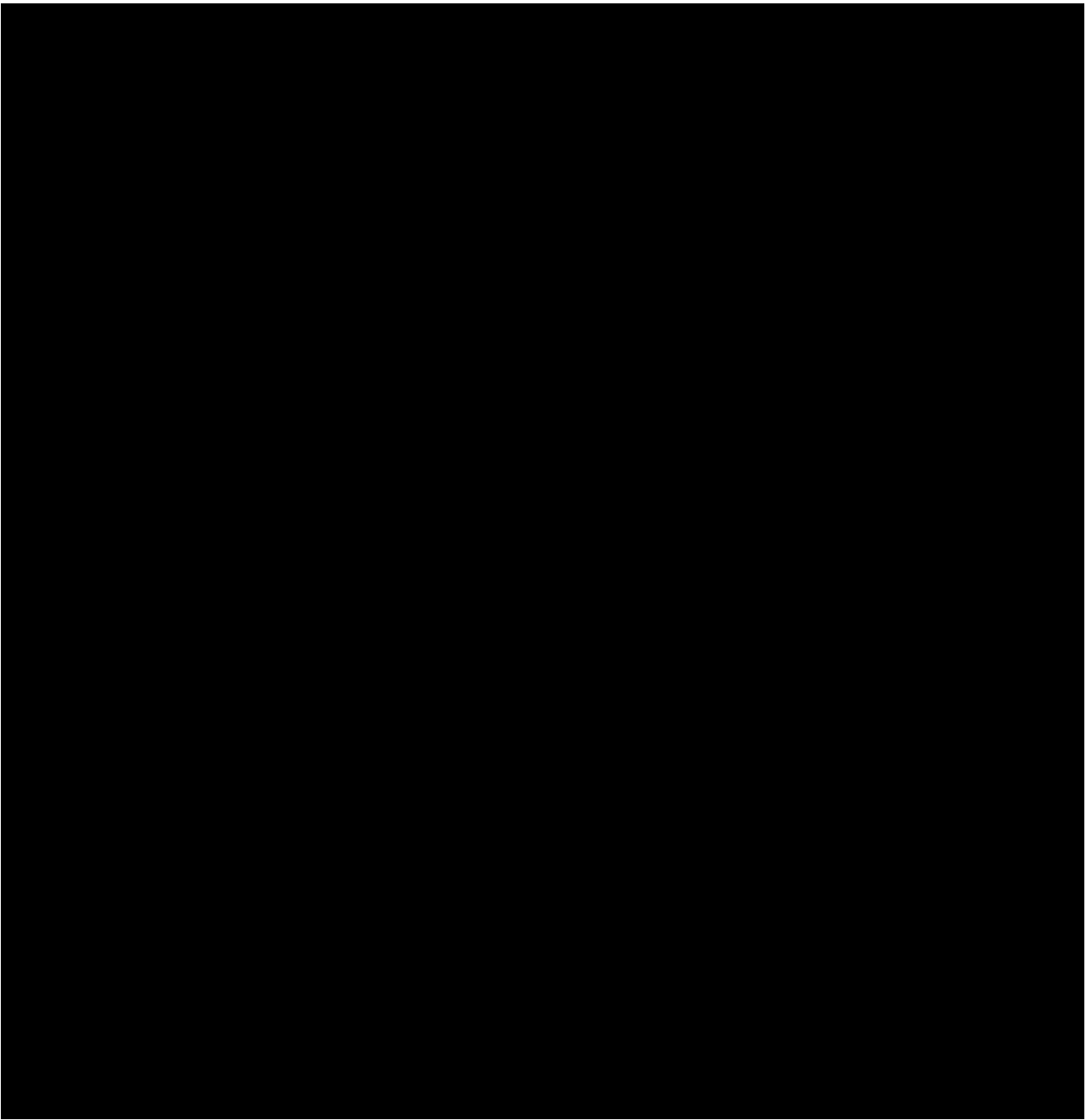
Evaluated By: _____

Weight: _____

This factor addresses the comprehensiveness and reasonableness of the financial plan for the project. A complete financial plan addresses the following issues: project ownership, capital cost and structure, sources of debt and equity and evidence (e.g. letter from a bank) that the project is financeable. In addition, this factor considers the financial strength of the bidder as an underlying value to support its ability to finance the project. The financial strength of bidders or their credit support providers will be considered, including their credit ratings

For purposes of the ratings below: if a bidder or credit support provider has no credit rating, the financial strength of the bidder will be evaluated based on evidence provided by the bidder with respect to its financial strength or that of its credit support provider.





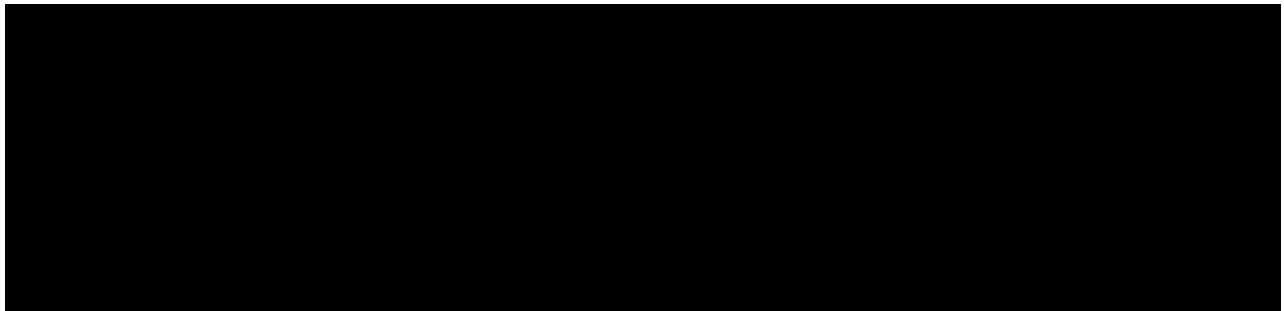
E1. Price Firmness and Price Risk

Project Name: _____
Evaluated By: _____
Weight: _____

This factor address the extent to which the price offered is firm, contains cost containment provisions for cost of service transmission projects, or proposes purely cost-of-service pricing. It also addresses price risk.

Price firmness and price risk will be evaluated from the perspective of total bid costs. A bid may be for generation only under a PPA, it may be for both generation under a PPA and for transmission, and it may be for transmission only under the Delivery Commitment Model. It is expected that generation costs under a PPA will be fixed. Bids to recover the transmission costs may vary from fixed charges to cost-of-service proposals with cost containment provisions, to purely cost-of-service proposals. In addition, the degree of price risk (costs varying from the estimates) may vary significantly among transmission bids, the risk may vary in terms of its symmetry or asymmetry (or degree thereof), and the extent to which the cost risk is effectively managed by proposed cost containment provisions may vary significantly among bids. Finally, bidder plans and capability to manage costs may differ among proposals. The purpose of this non-price evaluation criteria is to capture the degree of risk that costs to customers may vary from costs evaluated in the quantitative evaluation.

Because there are many interacting factors an Independent Transmission Cost Consultant (ITCC) will be hired and relied upon for assistance in determining scores in this area. The ITCC will determine the expected capital cost of the transmission component of a bid (which may be the bidder's estimate, which the ITCC determines is reasonable for use in the quantitative evaluation, or the ITCC's own estimate, as applicable). The ITCC will also determine a reasonable range of what actual costs might be compared to expected costs, with the high side of the range that may be based, at least in part, on the cost containment provisions in a transmission component of a bid and the effectiveness of such cost containment provisions. In addition, the ITCC will assign a percentage risk factor to each transmission bid or transmission component to a bid to take into consideration the degree of risk associated with the bid in terms of the actual costs being higher than expected costs (taking into consideration the risk of costs being higher and the magnitude of such higher costs). The Evaluation Team will assign points based upon the results of the ITCC's work as described.

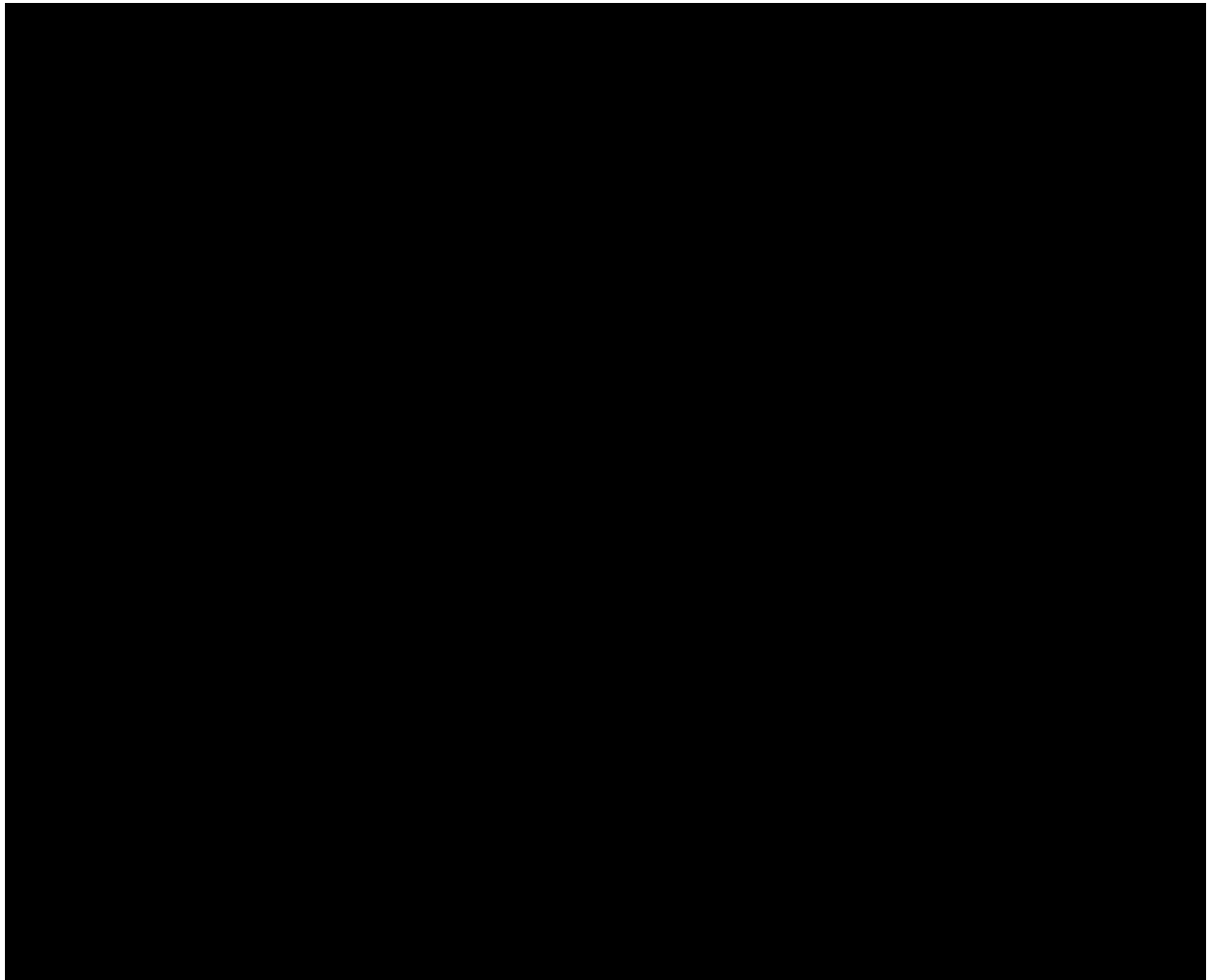


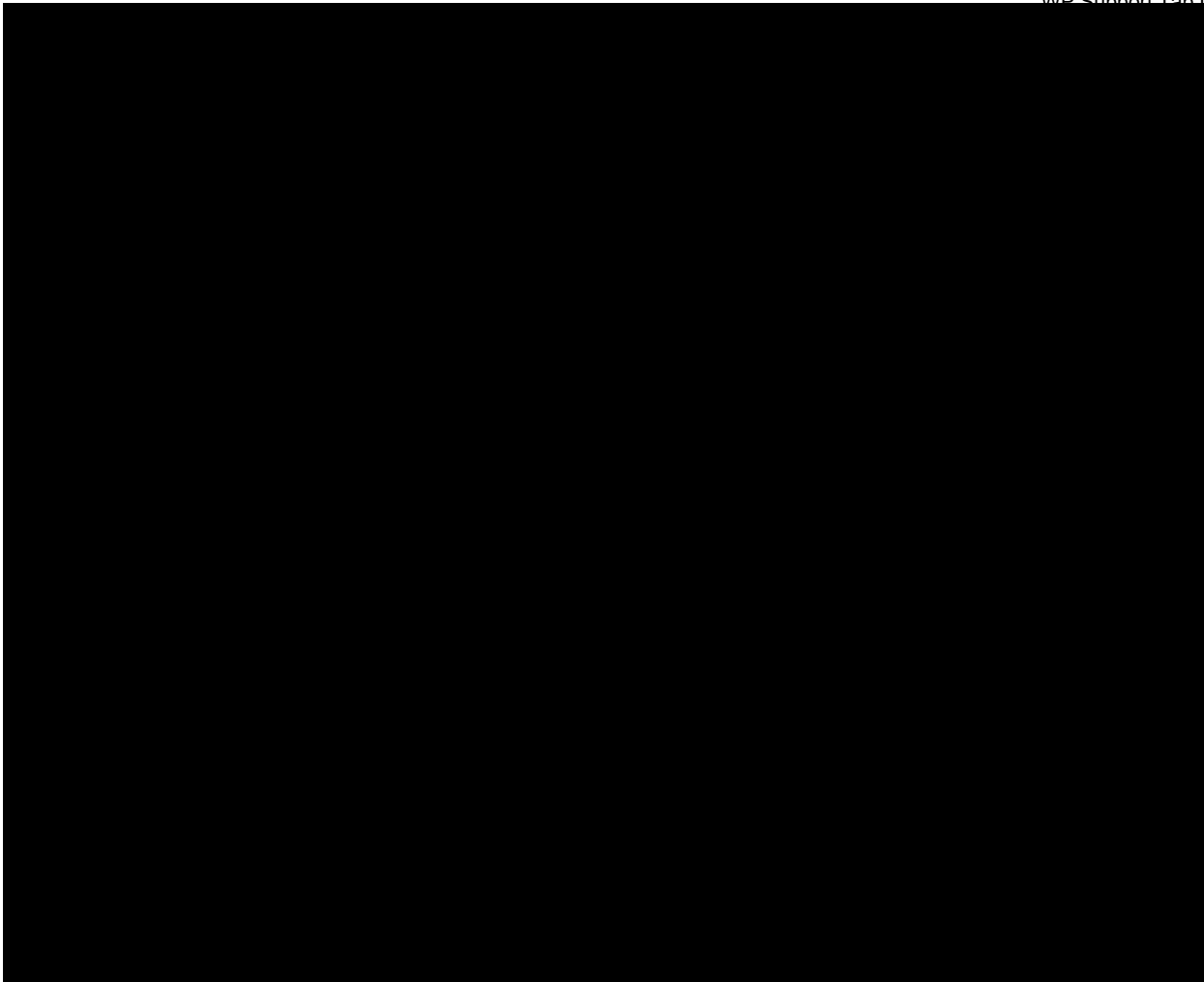
F1. Exceptions to Contract/PPA/Tariff: Risk Allocation Other than Risks Associated with Costs Exceeding Estimates

Project Name: _____
Evaluated By: _____
Weight: _____

For generation proposals, this factor addresses the extent to which bidders accept provisions of the PPA. Bidders who propose material changes to the PPA that would significantly and adversely change the risk allocation in the PPA to the detriment of the buyers and their customers will not be highly evaluated.

For transmission projects, this factor addresses the extent to which the transmission tariff and service agreement (and/or other contract documents) protects EDCs and their customers from risks such as delays, lower than expected capacity, lower than expected energy deliveries, change in law, force majeure and other matters addressed in the Pro Forma PPA or otherwise relevant to transmission proposals.





Summary of Small PPA Bid B/C Ratios

CONFIDENTIAL

Indirect Benefit Multiplier	
Load Payment Reduction	70%
Production Cost Savings	30%

Participation Share	CT	MA	RI
Solar/Wind PPA	50%	50%	0%
Fuel Cell PPA	100%	0%	0%

#	Bid	Bid Type	PPA		Cap Type	Te- rm	ISD M/Y	% of St.	Unit	Net MW	Net Avg Annual MWh	Net Avg Annual RECs	Avg Cap Factr	Cur- tail %	Participation %			Decr. CO2 (KST)	Participating States Levelized Nominal \$/MWh																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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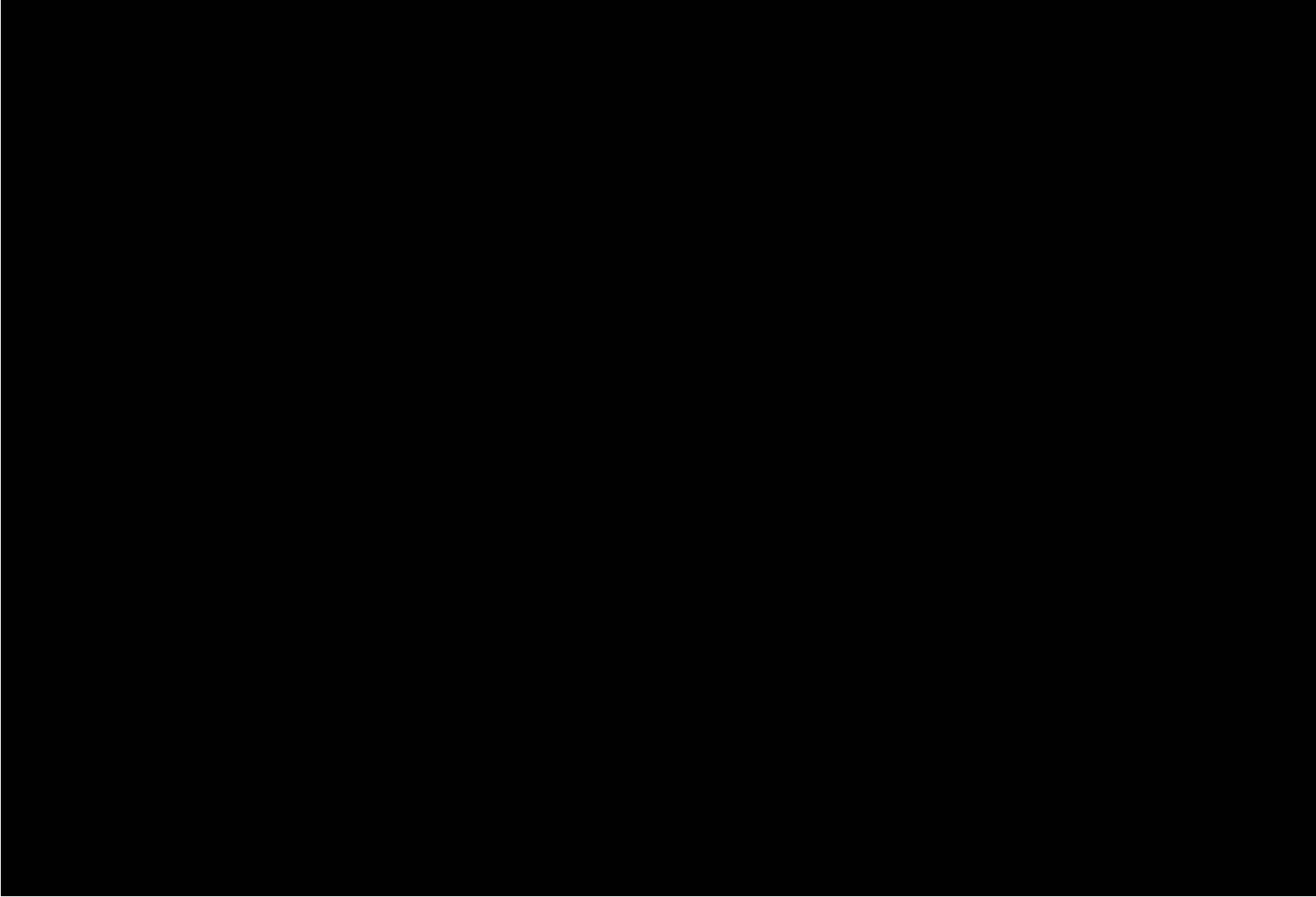
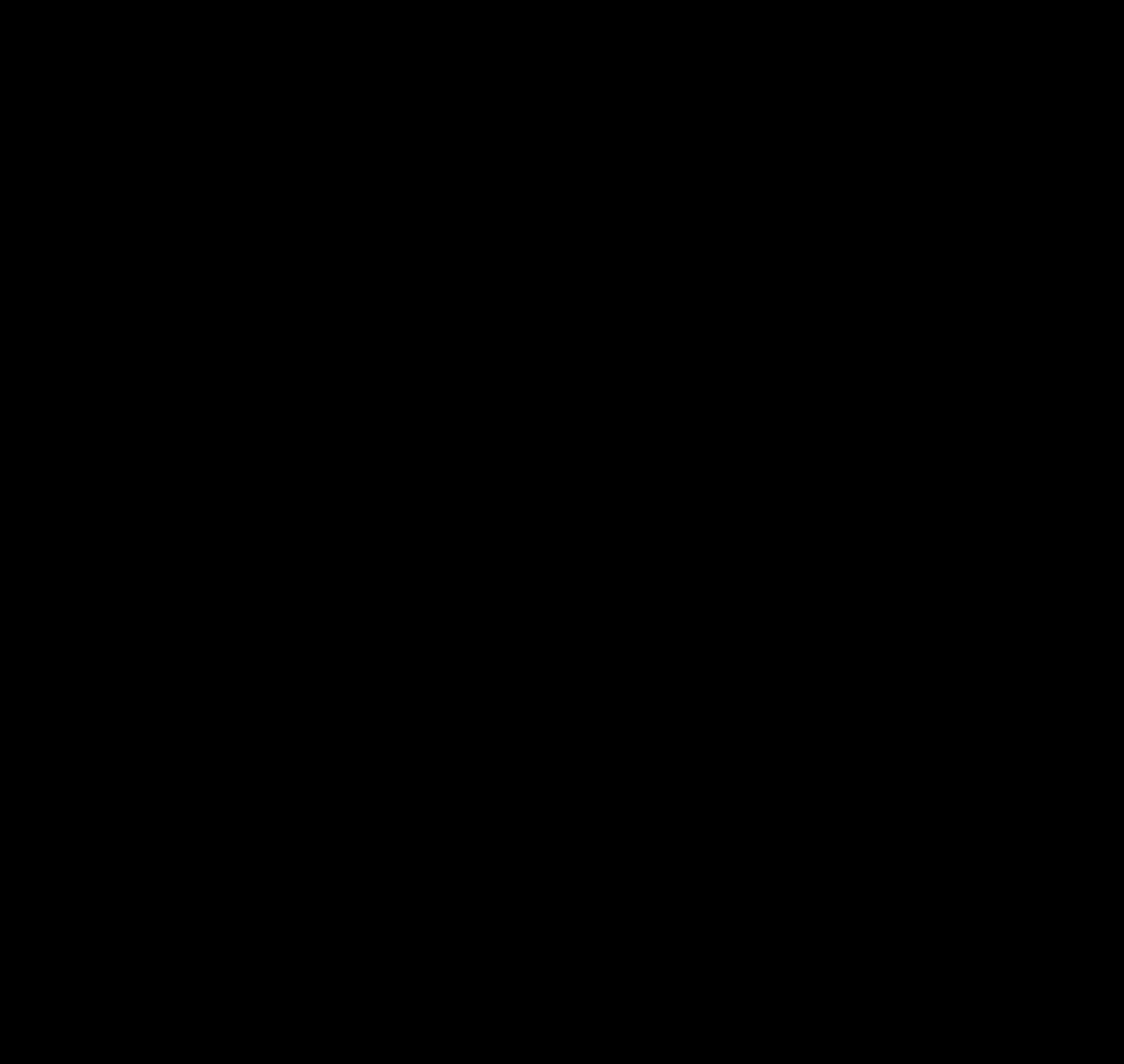
Bid: Candlewood Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	20
Bid Type	Solar
Bid Location	CT
Bid Energy Total (MWh)	625,717

	Month	Year
Bid Start	10	2018
Bid End	9	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



Bid Net Capacity (MW)	48
Bid Type	Solar
Bid Location	MA
Bid Energy Total (MWh)	1,433,125

	Month	Year
Bid Start	7	2018
Bid End	6	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%

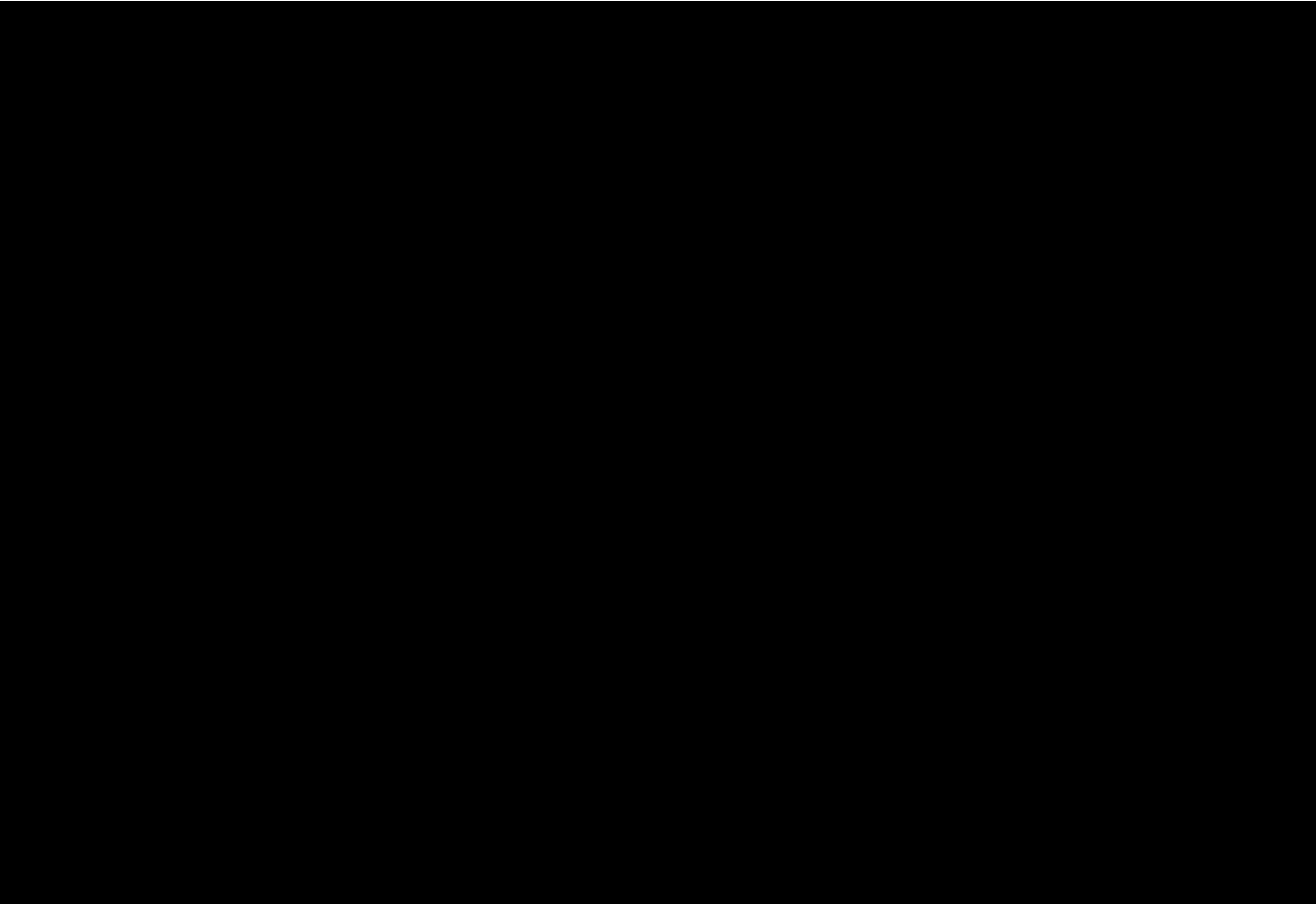
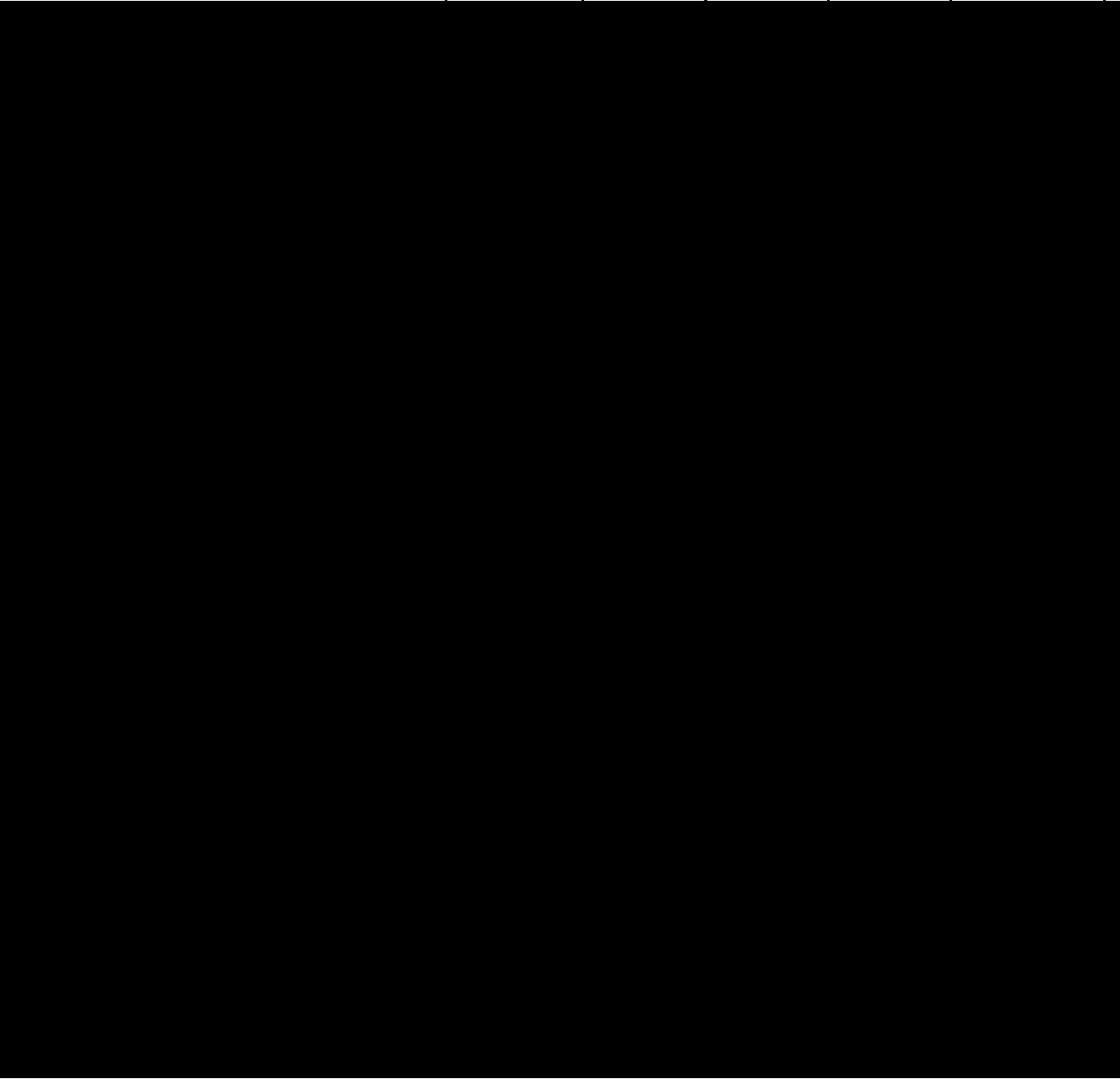
Bid: EDP Gardner Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	22
Bid Type	Solar
Bid Location	MA
Bid Energy Total (MWh)	625,522

	Month	Year
Bid Start	7	2018
Bid End	6	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



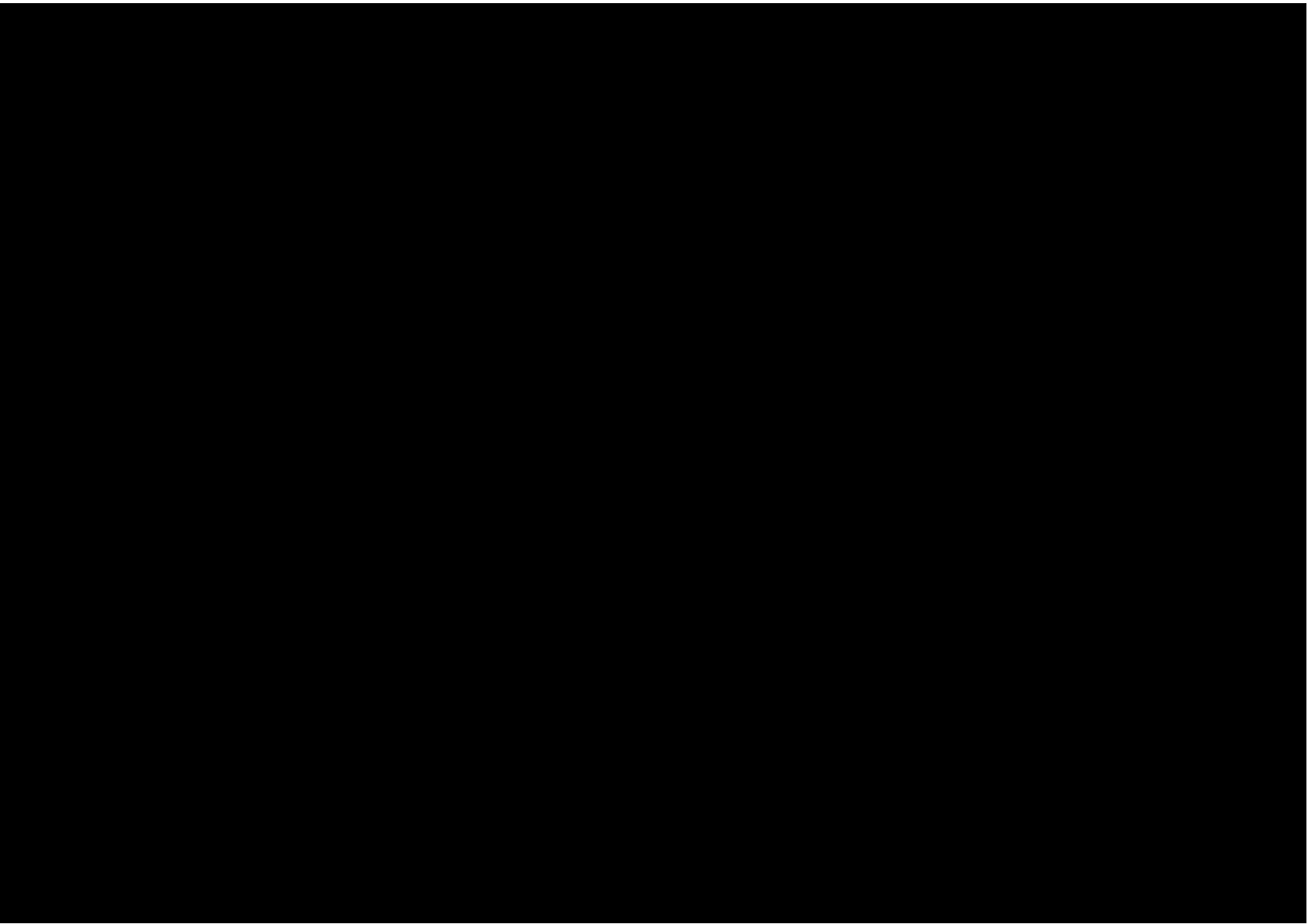
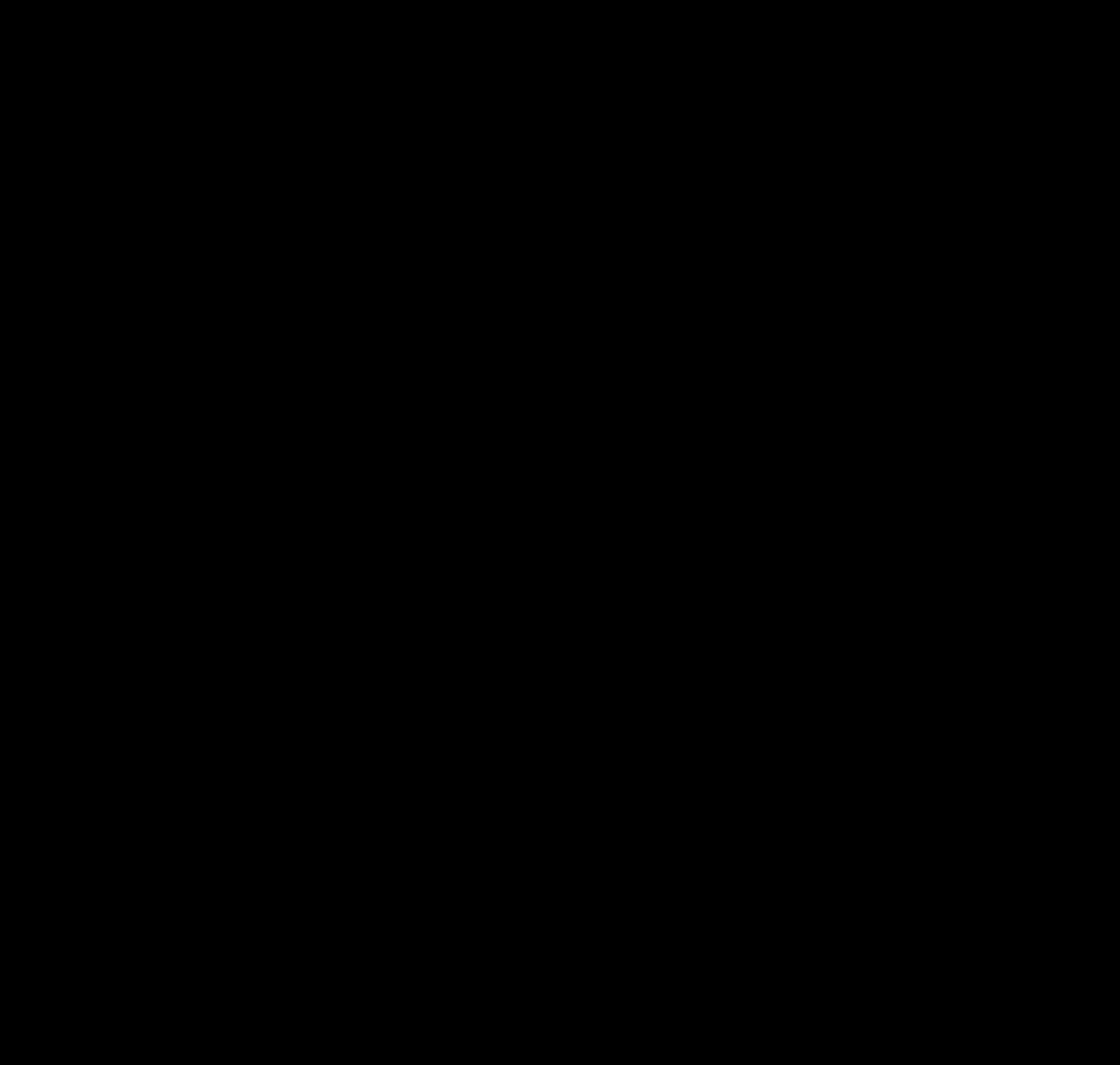
Bid: EDP Hopkinton 1 Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	22
Bid Type	Solar
Bid Location	RI
Bid Energy Total (MWh)	625,522

	Month	Year
Bid Start	7	2018
Bid End	6	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



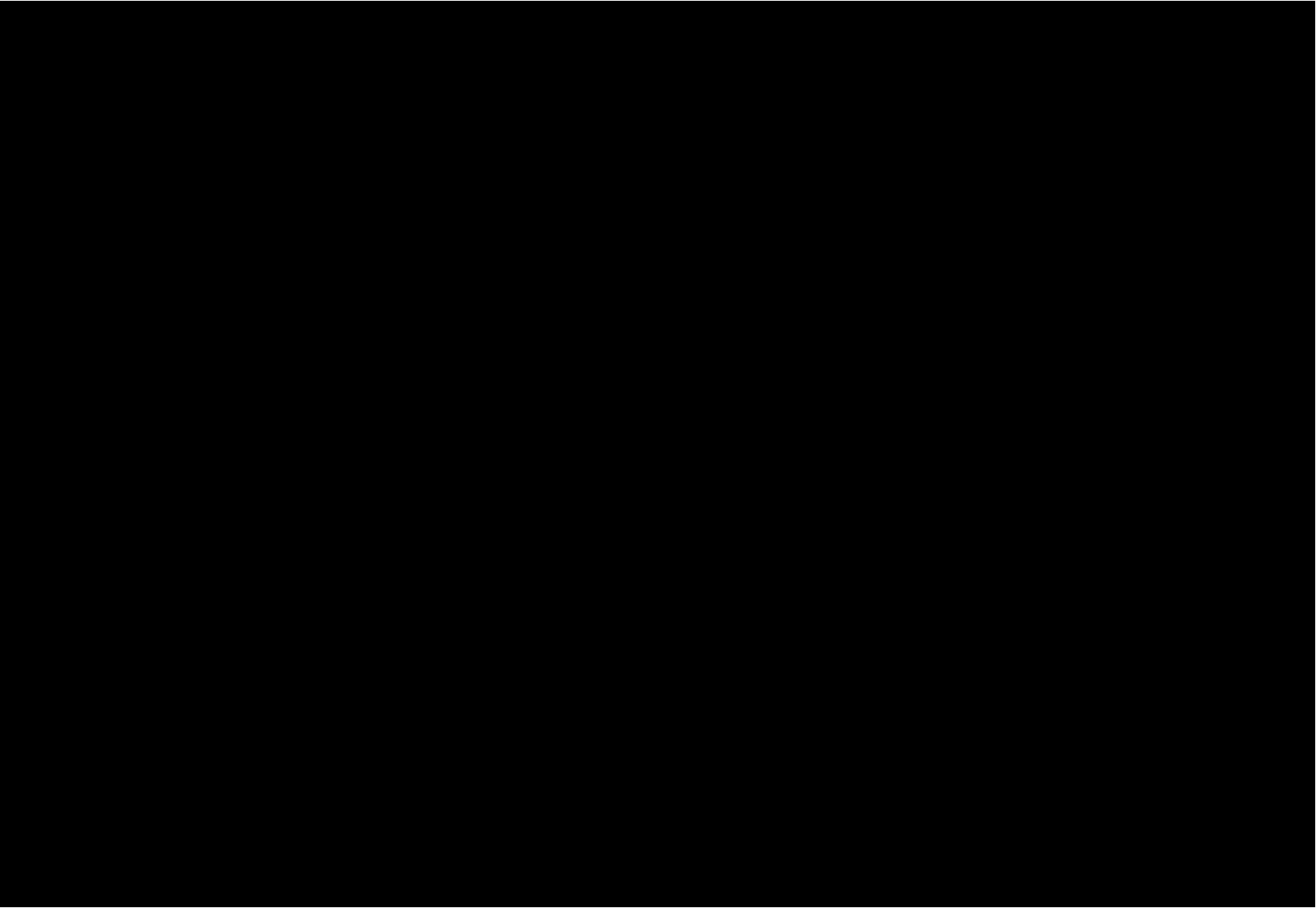
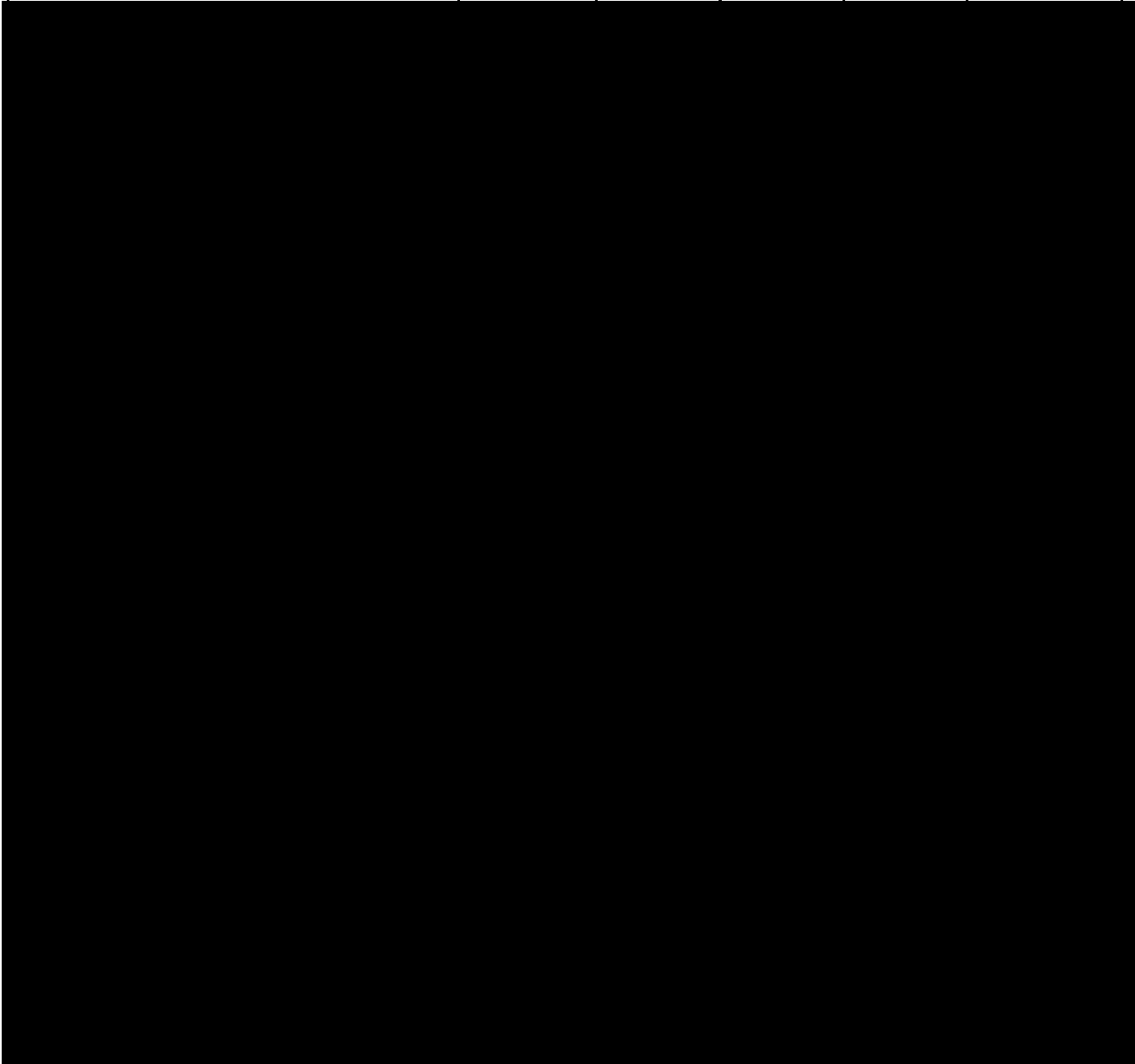
Bid: EDP Hopkinton 2 Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	22
Bid Type	Solar
Bid Location	RI
Bid Energy Total (MWh)	625,522

	Month	Year
Bid Start	7	2018
Bid End	6	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



Bid Net Capacity (MW)	22
Bid Type	Solar
Bid Location	RI
Bid Energy Total (MWh)	625,522

	Month	Year
Bid Start	7	2018
Bid End	6	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%

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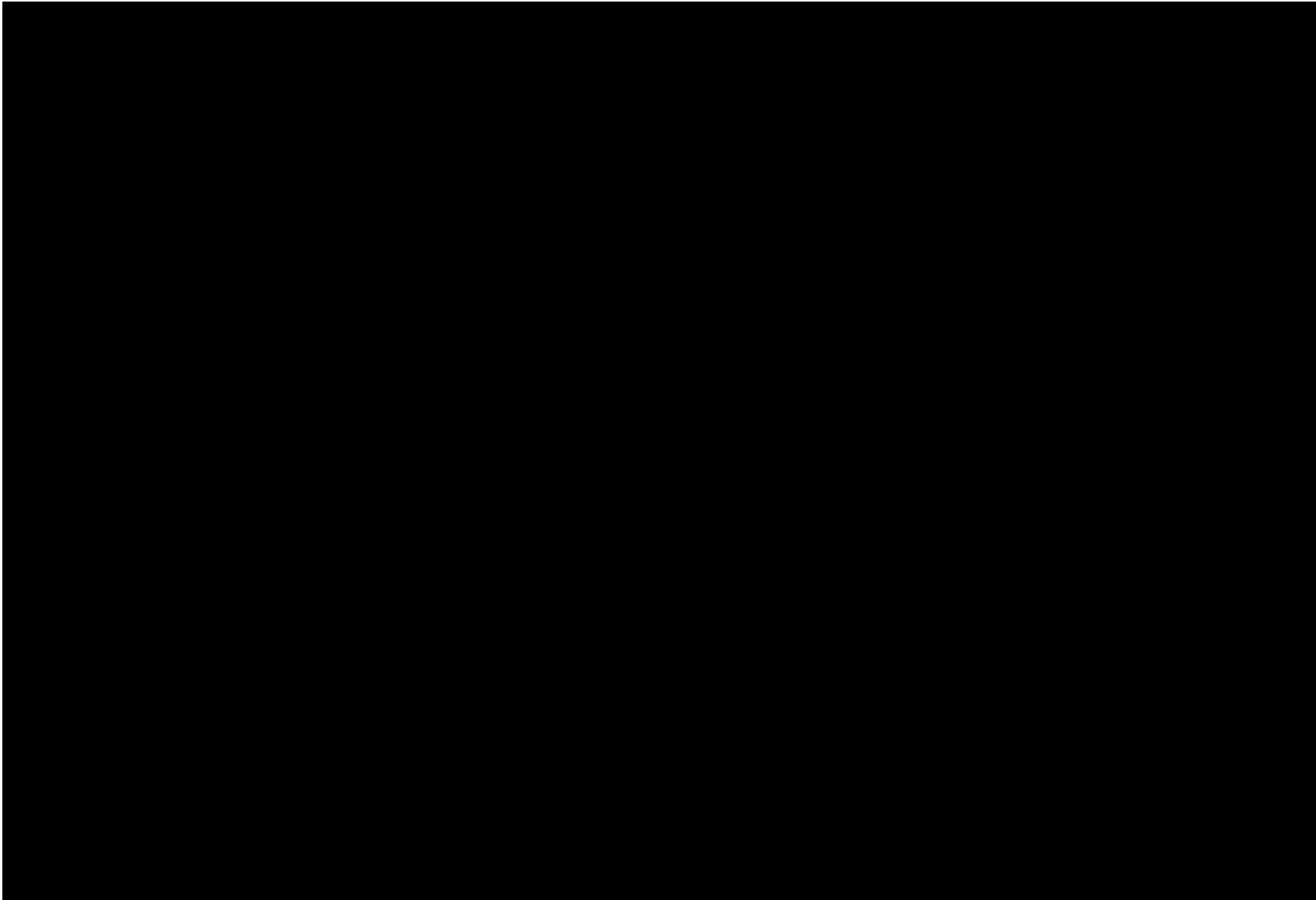
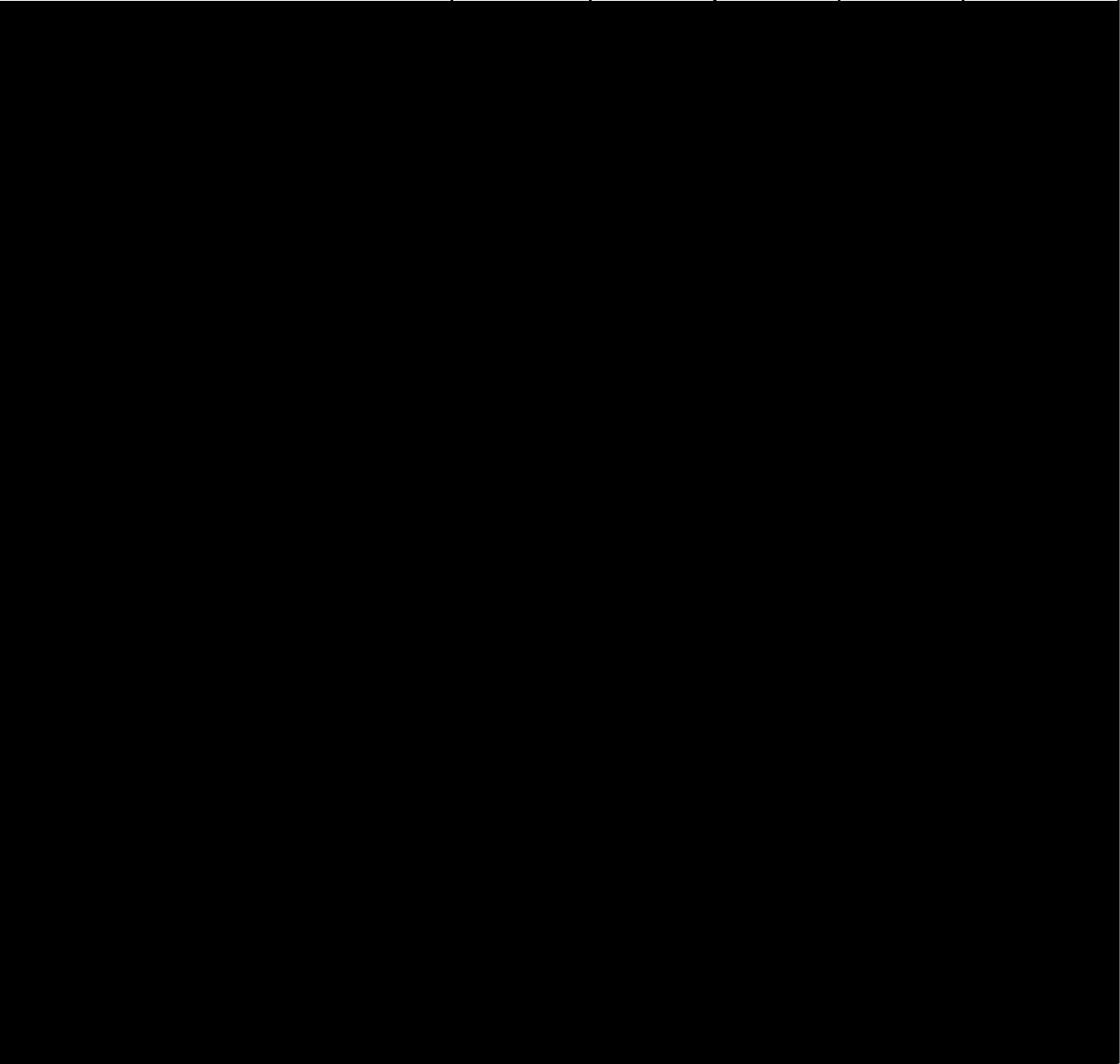
Bid: EDP Hopkinton 4 Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	22
Bid Type	Solar
Bid Location	RI
Bid Energy Total (MWh)	625,522

	Month	Year
Bid Start	7	2018
Bid End	6	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



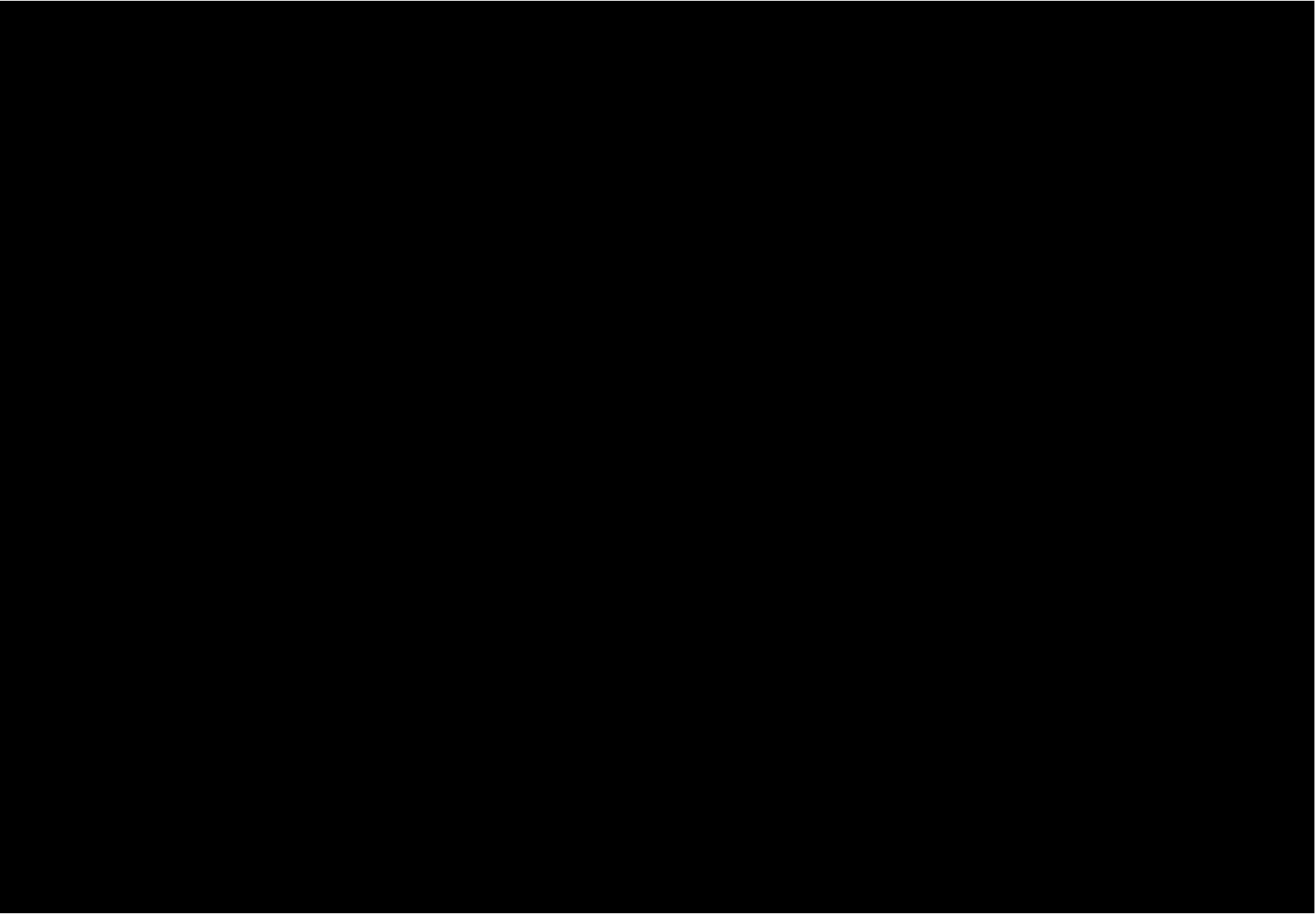
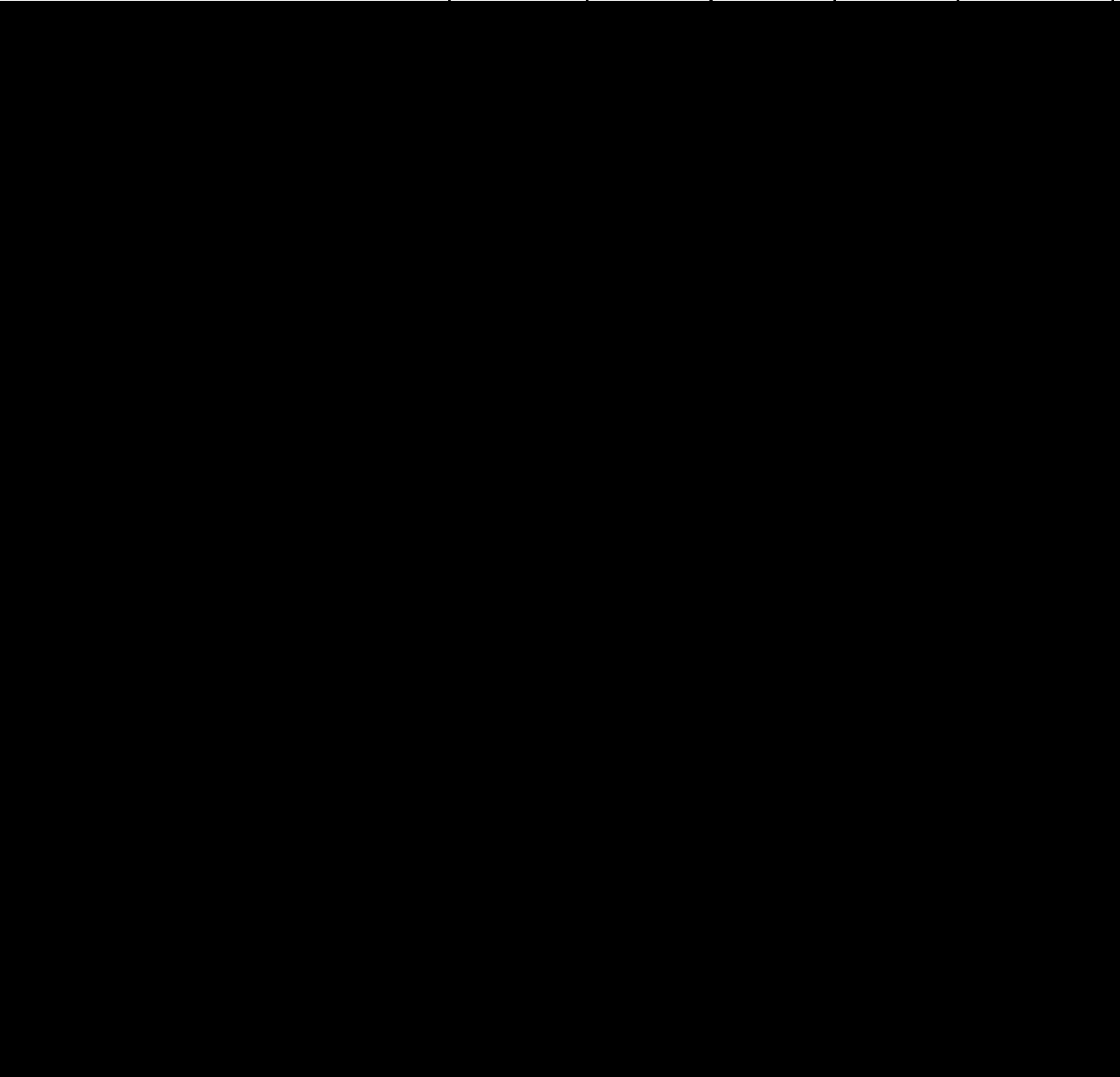
Bid: EDP North Stonington Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	44
Bid Type	Solar
Bid Location	CT
Bid Energy Total (MWh)	1,302,840

	Month	Year
Bid Start	7	2018
Bid End	6	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



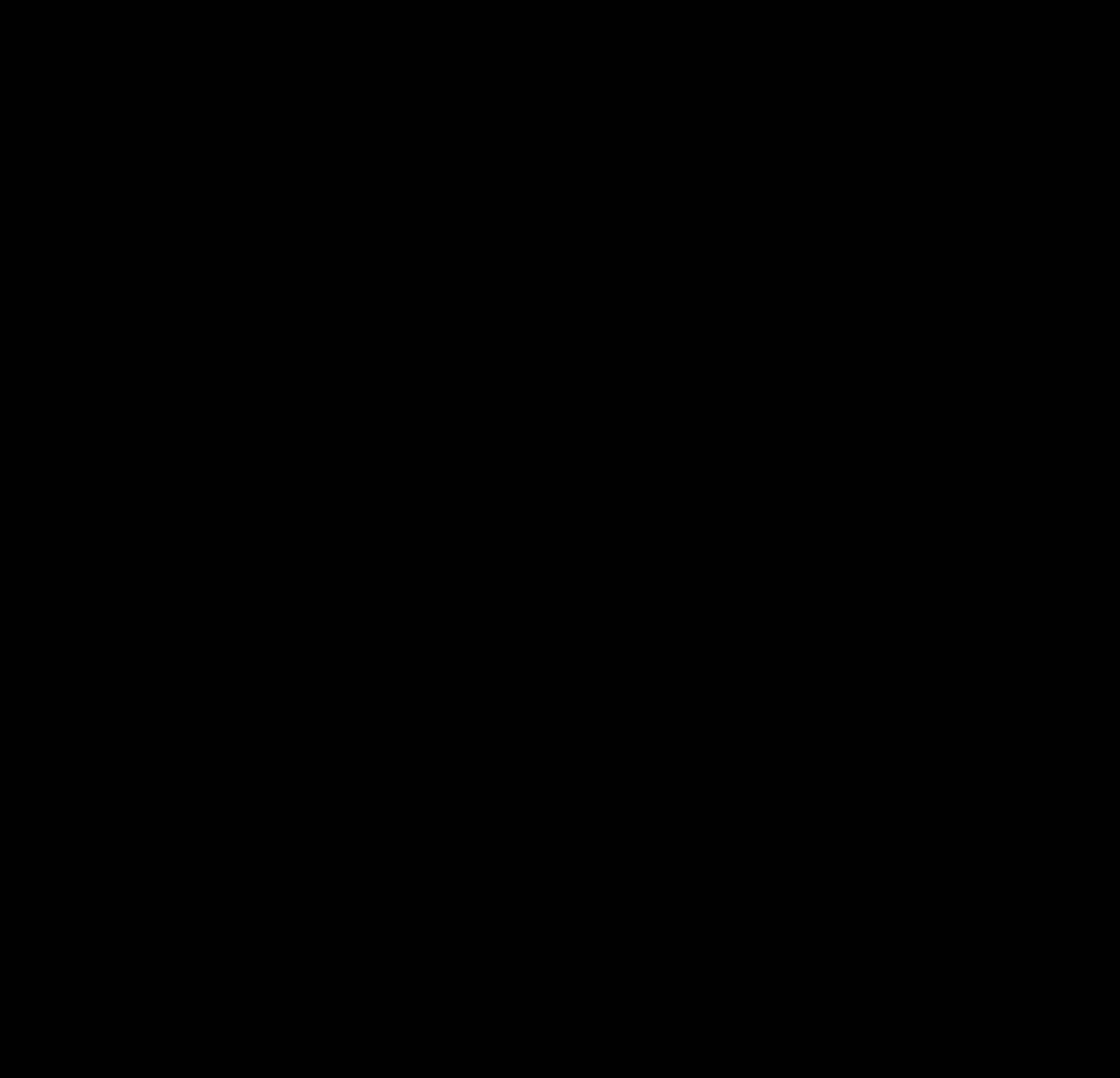
Bid: EDP West Greenwich Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	48
Bid Type	Solar
Bid Location	RI
Bid Energy Total (MWh)	1,432,612

	Month	Year
Bid Start	7	2018
Bid End	6	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



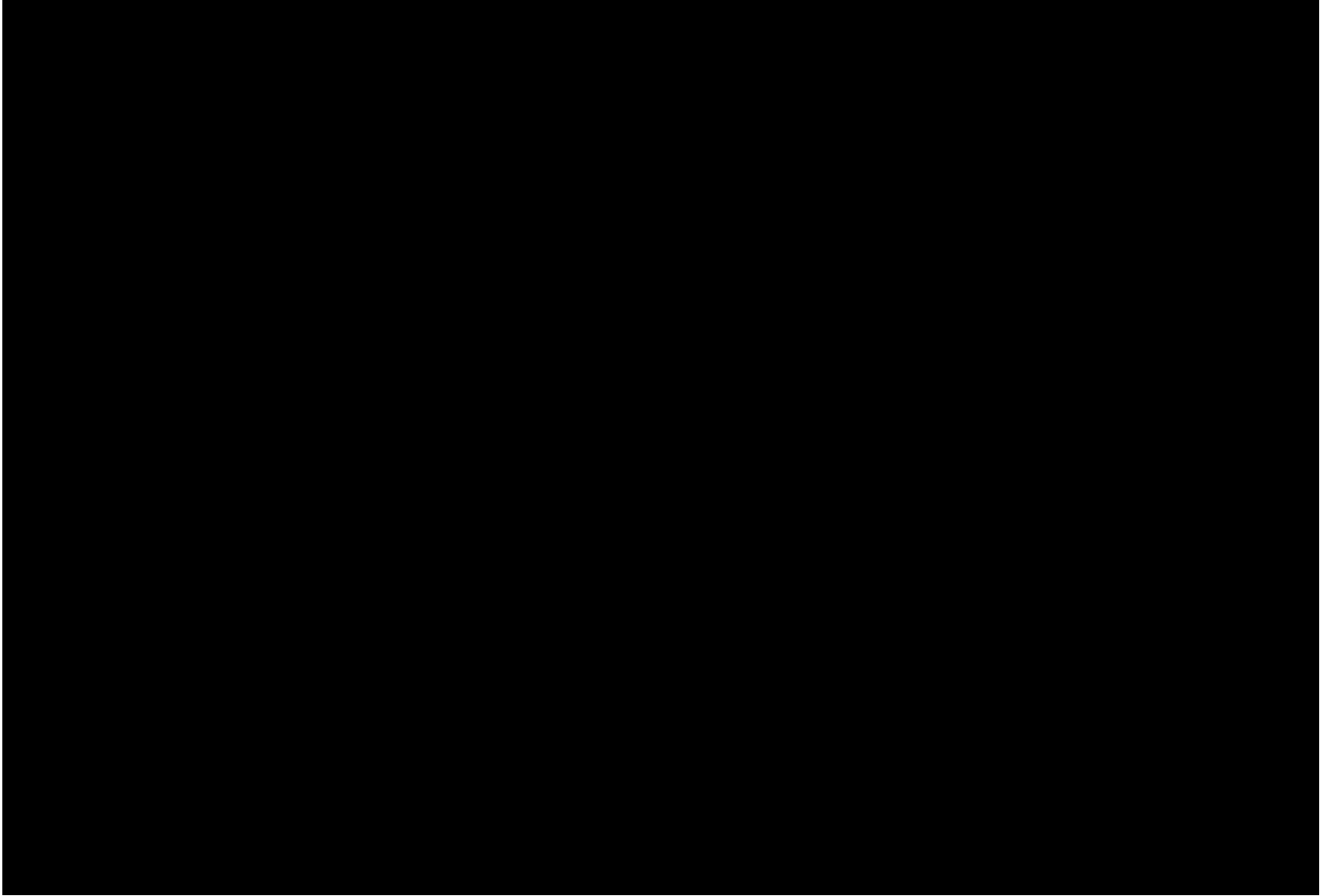
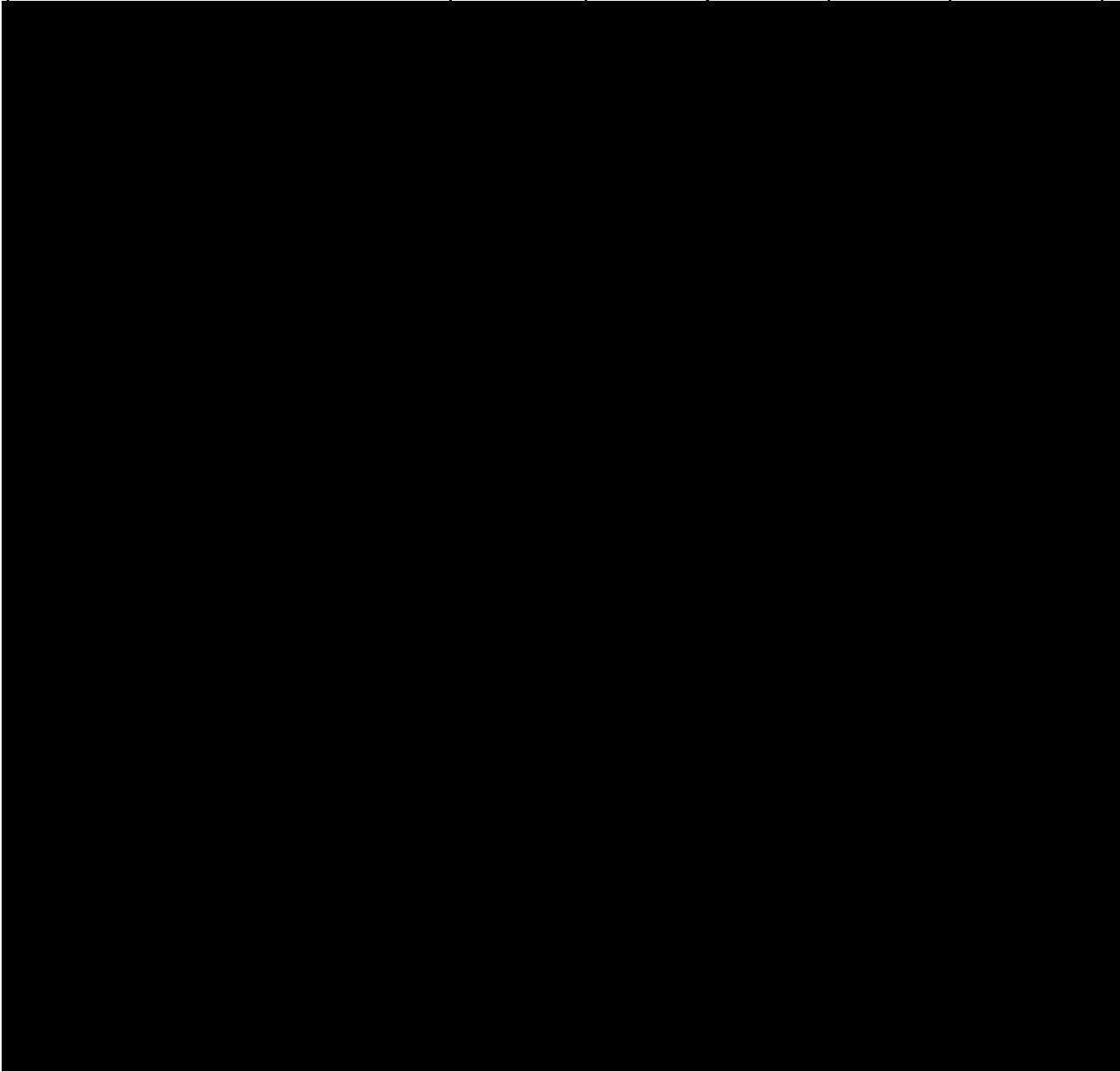
Bid: GRE 501 MIRA Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	20
Bid Type	Solar
Bid Location	MA
Bid Energy Total (MWh)	657,747

	Month	Year
Bid Start	1	2019
Bid End	12	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%

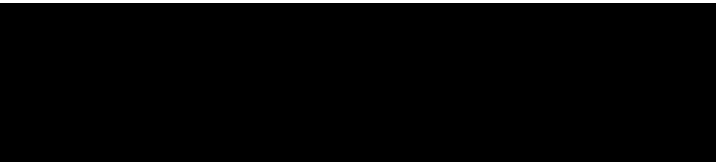


Bid: Ranger Chinook Solar
Benefit Cost Ratio - Quantitative

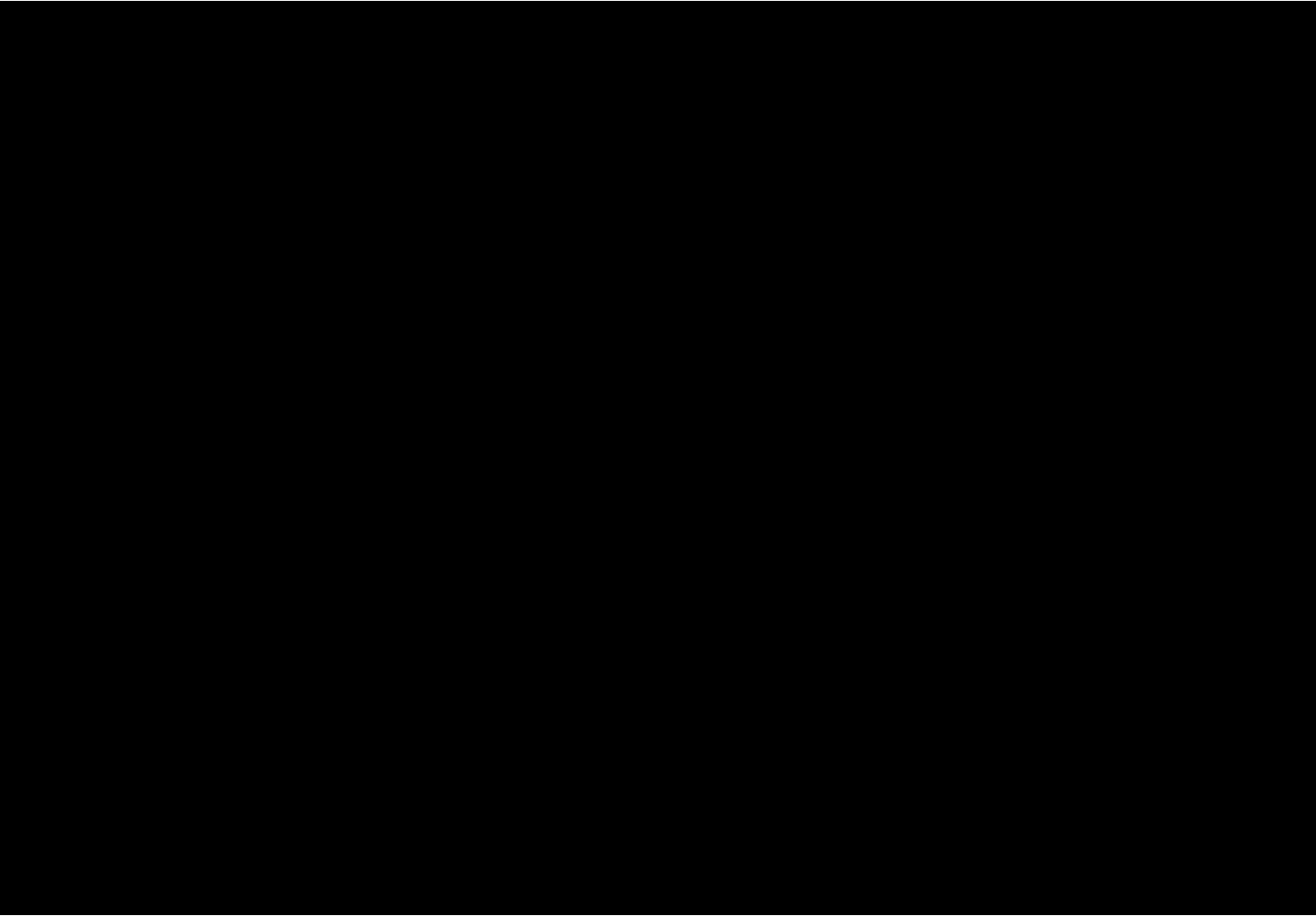
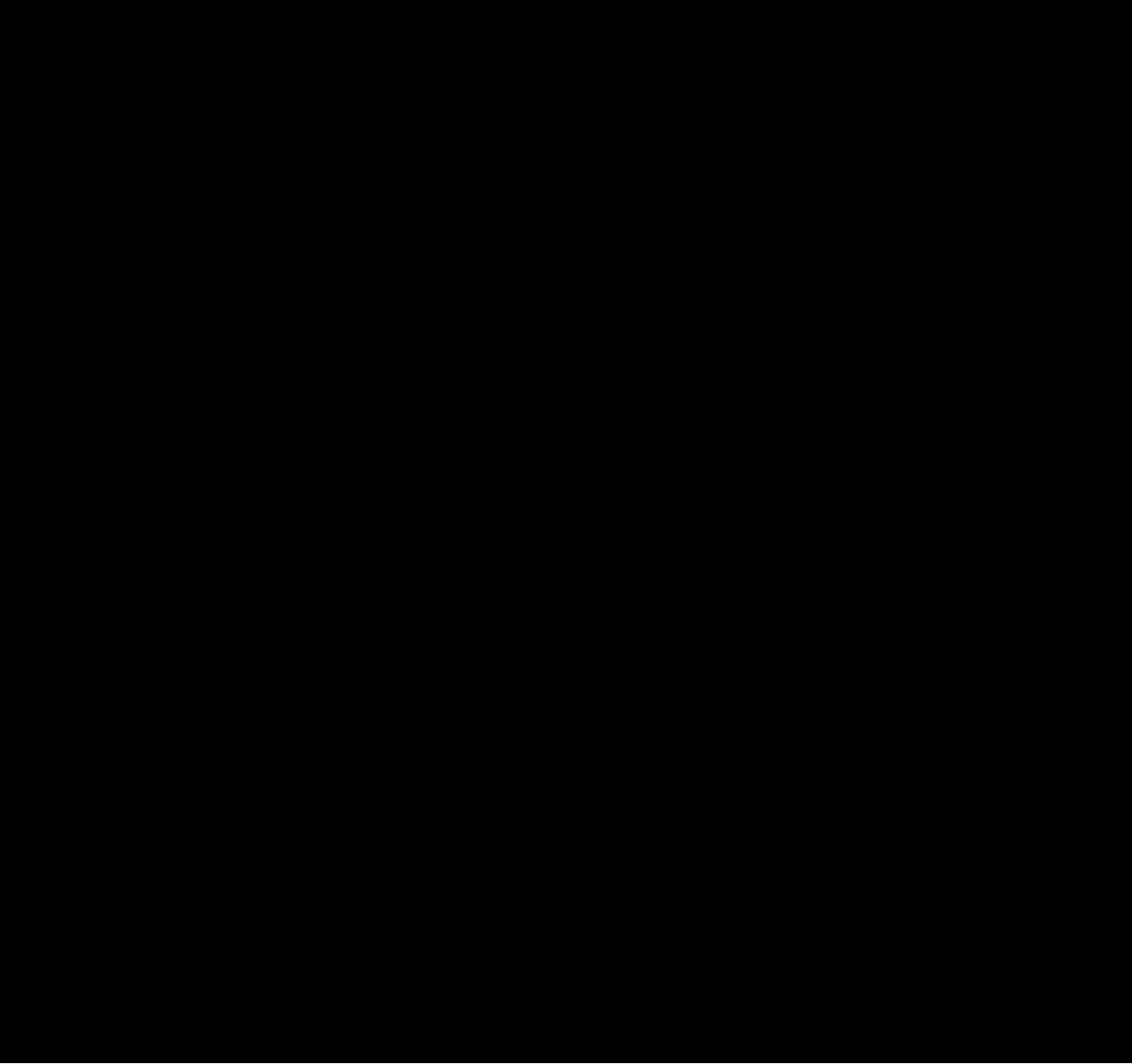
Bid Net Capacity (MW)	48.99
Bid Type	Solar
Bid Location	NH
Bid Energy Total (MWh)	1,635,281

	Month	Year
Bid Start	11	2019
Bid End	10	2039

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



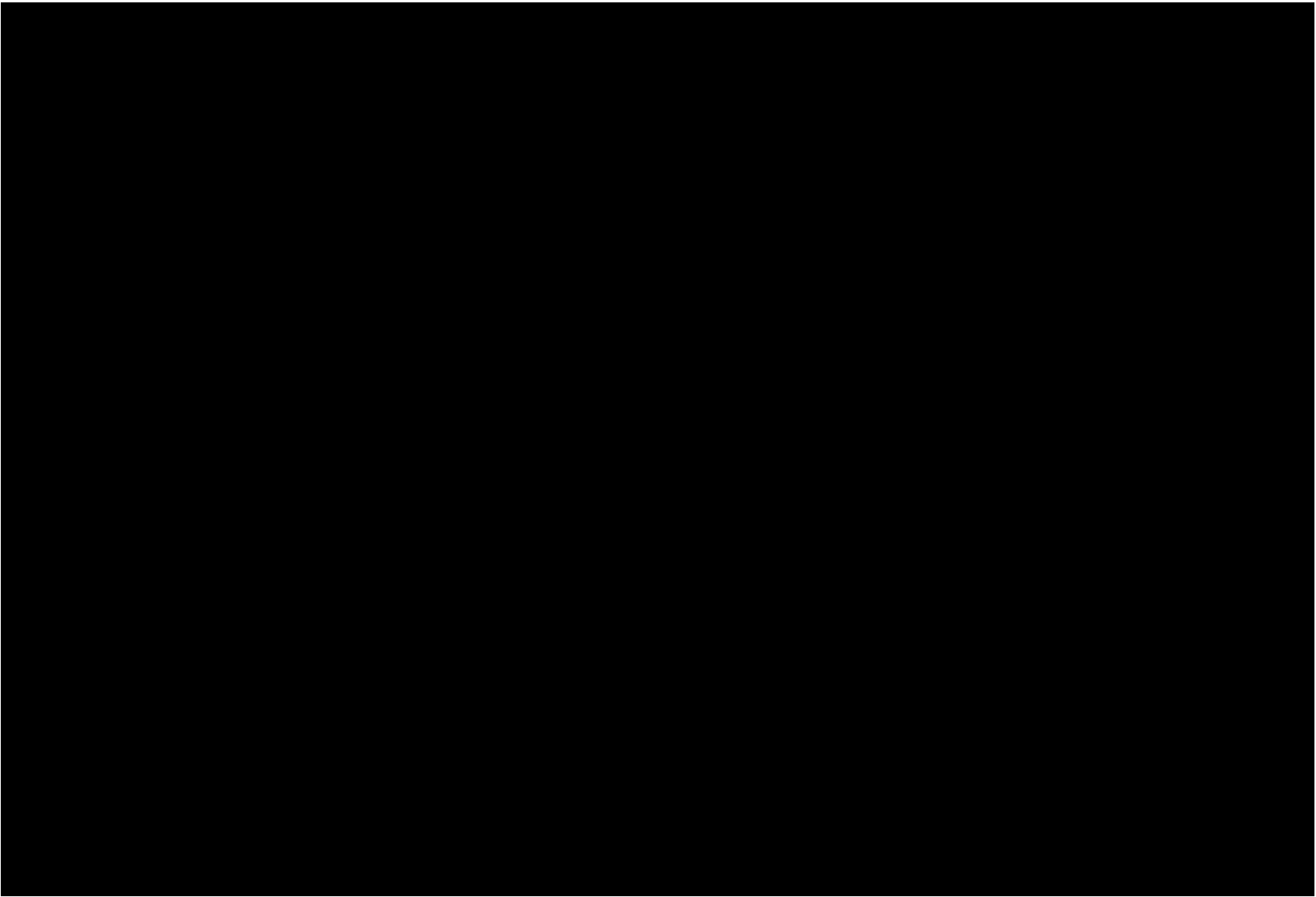
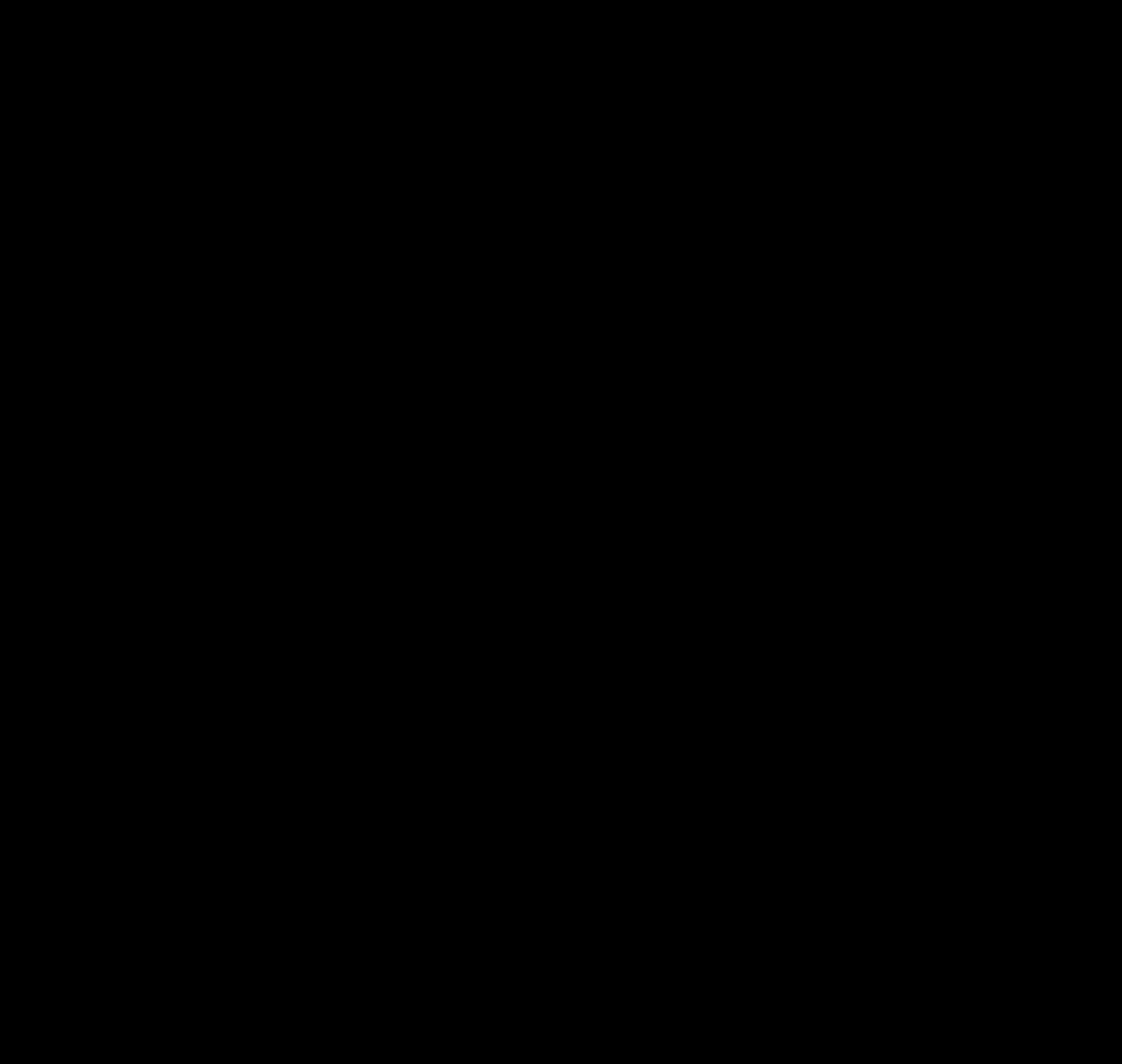
Bid: Ranger Enfield Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	19.63
Bid Type	Solar
Bid Location	CT
Bid Energy Total (MWh)	653,597

	Month	Year
Bid Start	11	2019
Bid End	10	2039

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



Bid: Ranger Farmington Solar
Benefit Cost Ratio - Quantitative

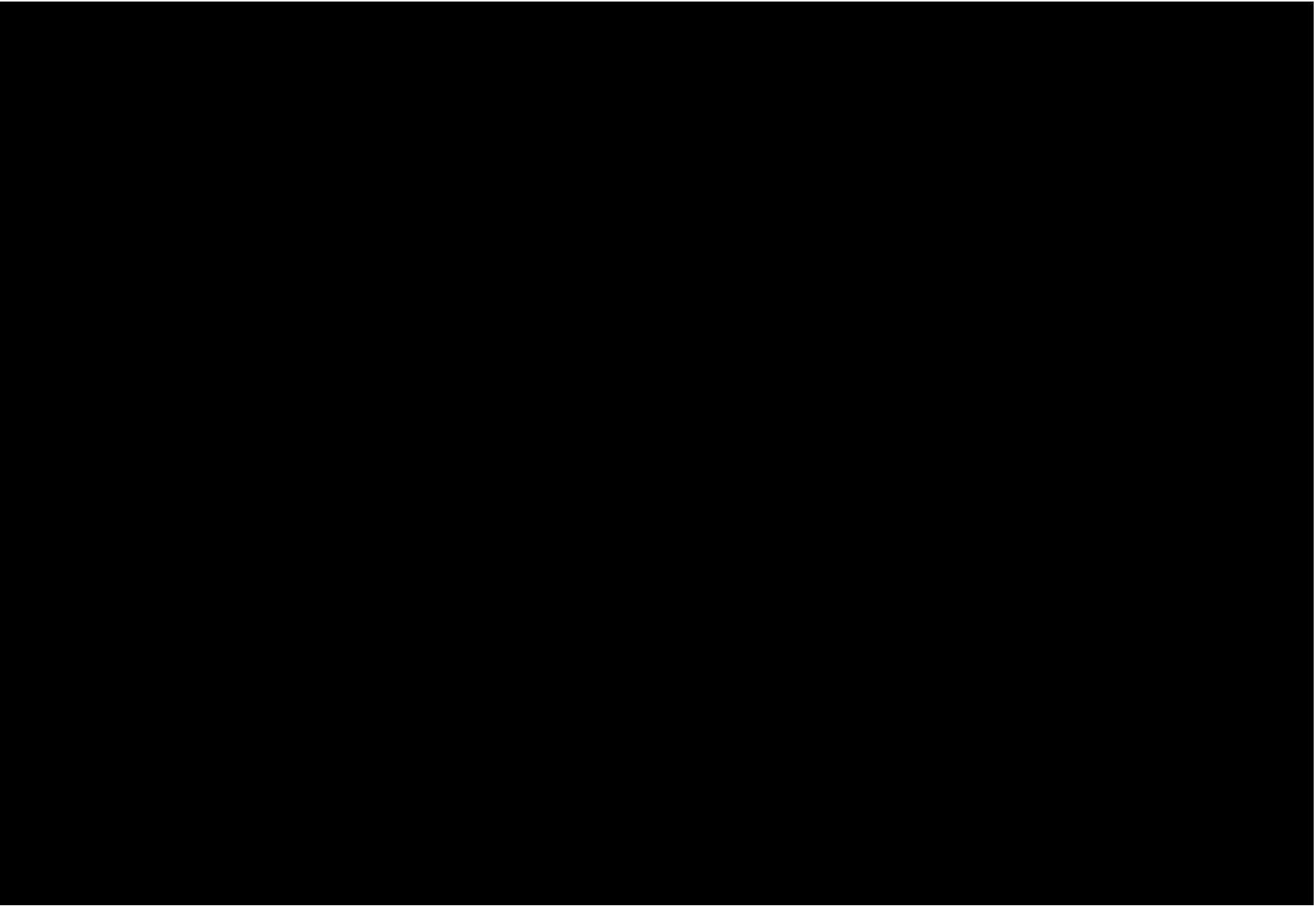
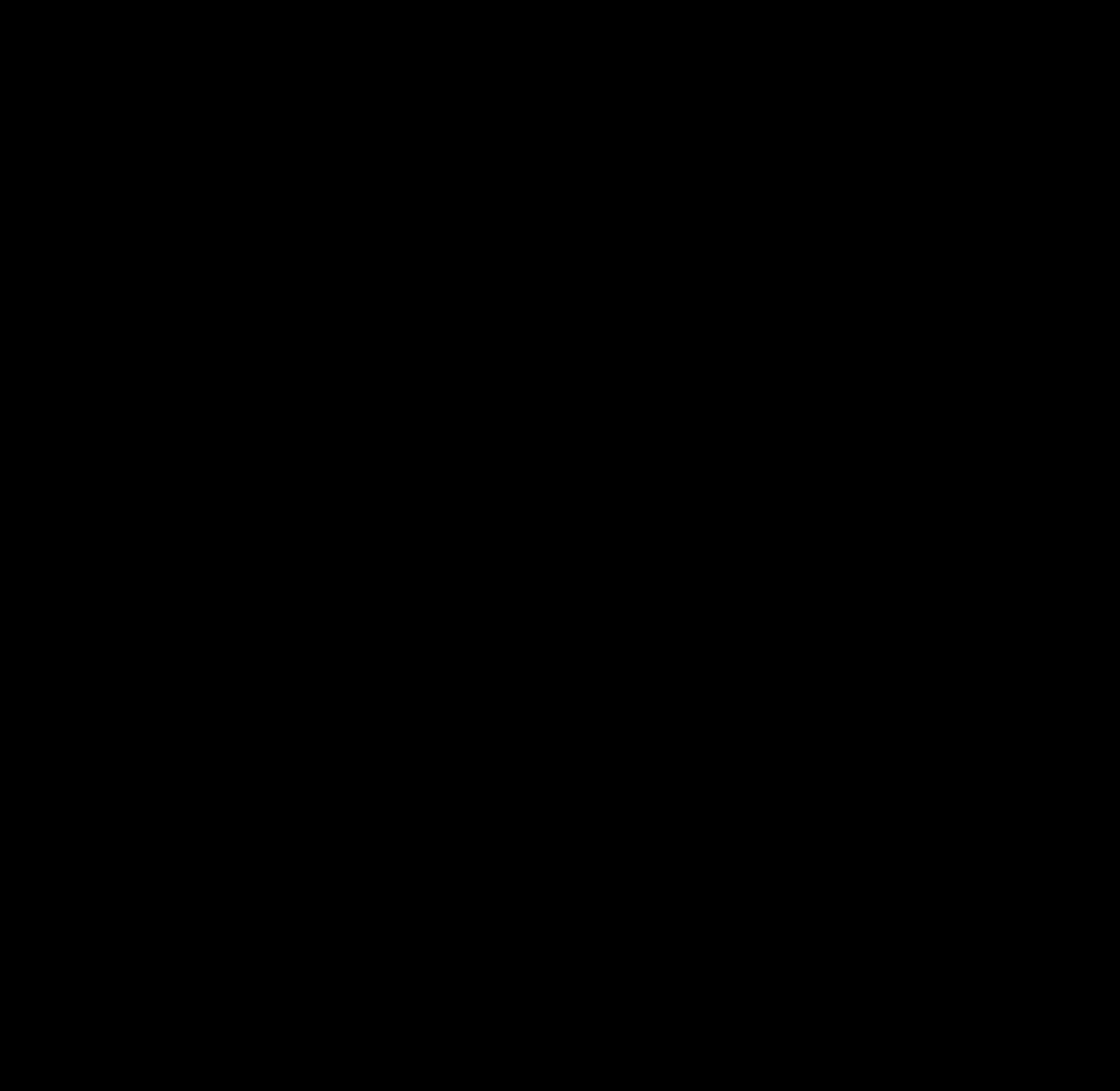
Bid Net Capacity (MW)	48.99
Bid Type	Solar
Bid Location	ME
Bid Energy (MWh) and/or RECs Total	1,499,248

	Month	Year
Bid Start	11	2019
Bid End	10	2039

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



Bid Net Capacity (MW)	48.99
Bid Type	Solar
Bid Location	CT
Bid Energy Total (MWh)	1,623,111

	Month	Year
Bid Start	11	2019
Bid End	10	2039

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

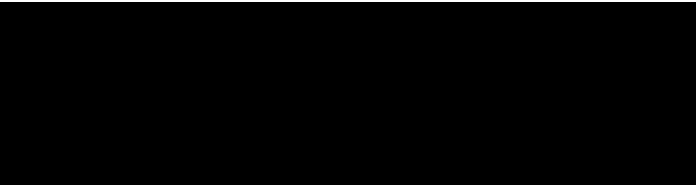
BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%

Bid: Ranger Sanford Solar
Benefit Cost Ratio - Quantitative

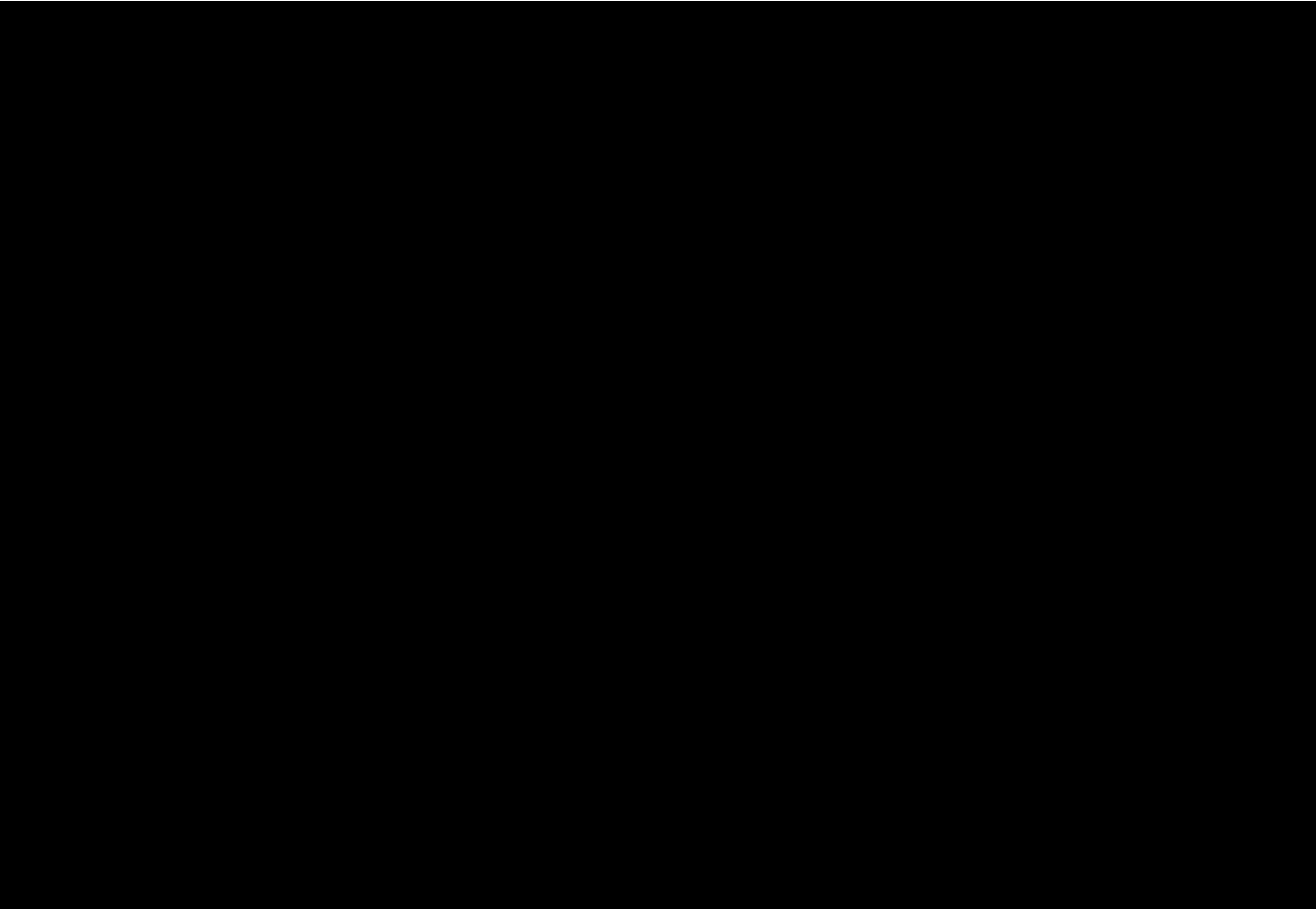
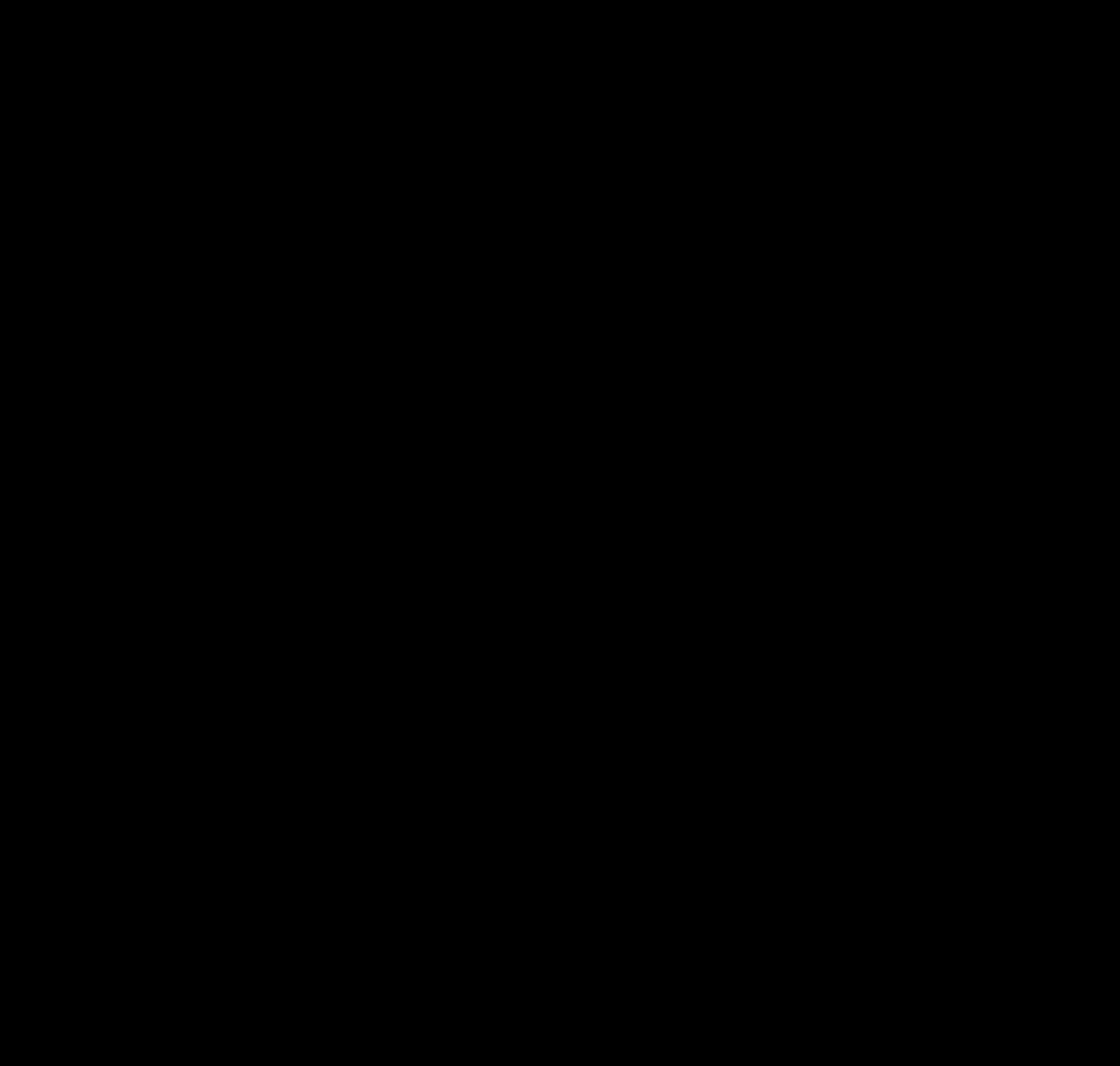
Bid Net Capacity (MW)	48.99
Bid Type	Solar
Bid Location	ME
Bid Energy (MWh) and/or RECs Total	1,678,657

	Month	Year
Bid Start	11	2019
Bid End	10	2039

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



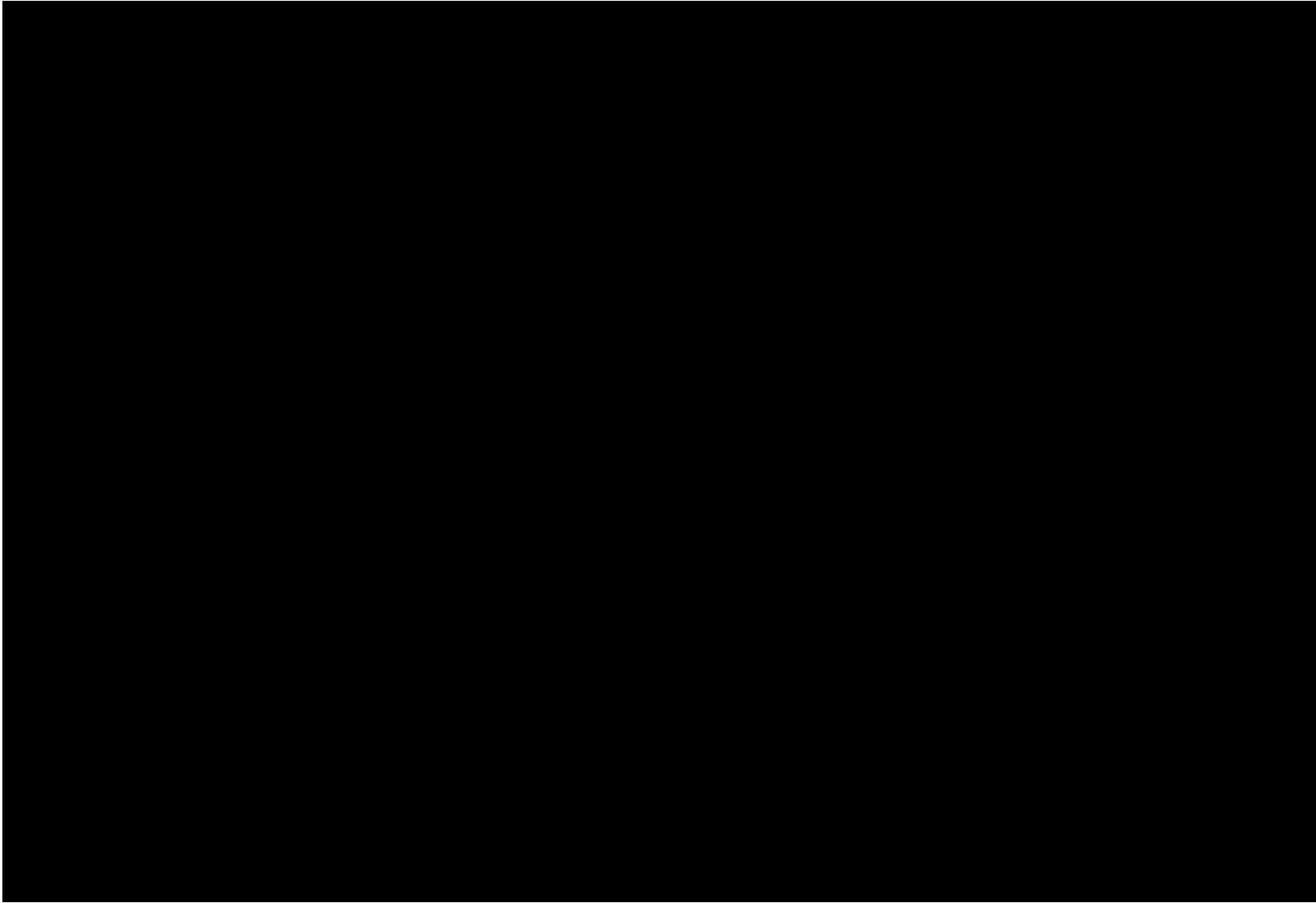
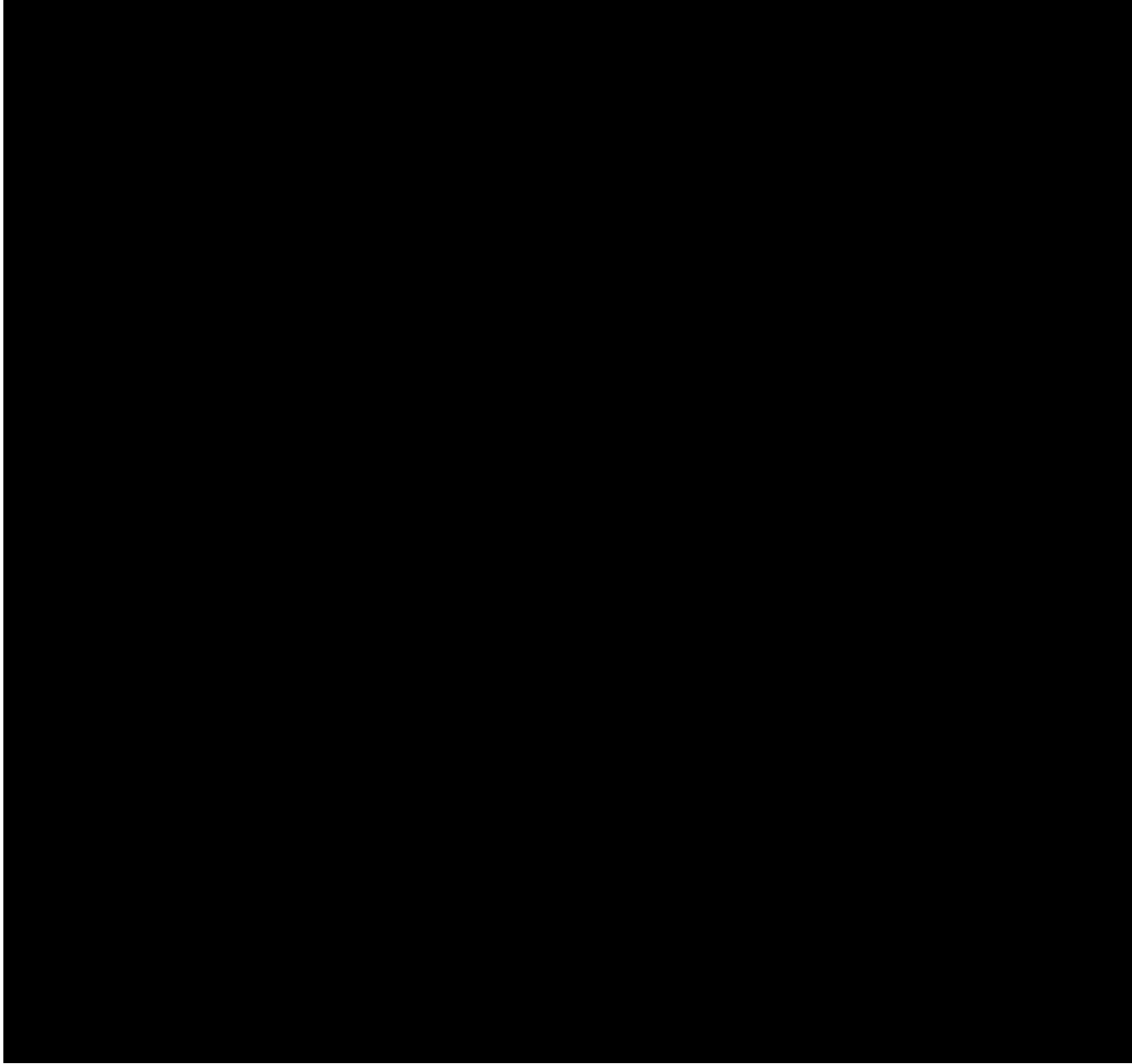
Bid: RES H-S Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	20
Bid Type	Solar
Bid Location	RI
Bid Energy Total (MWh)	646,208

	Month	Year
Bid Start	11	2017
Bid End	10	2037

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



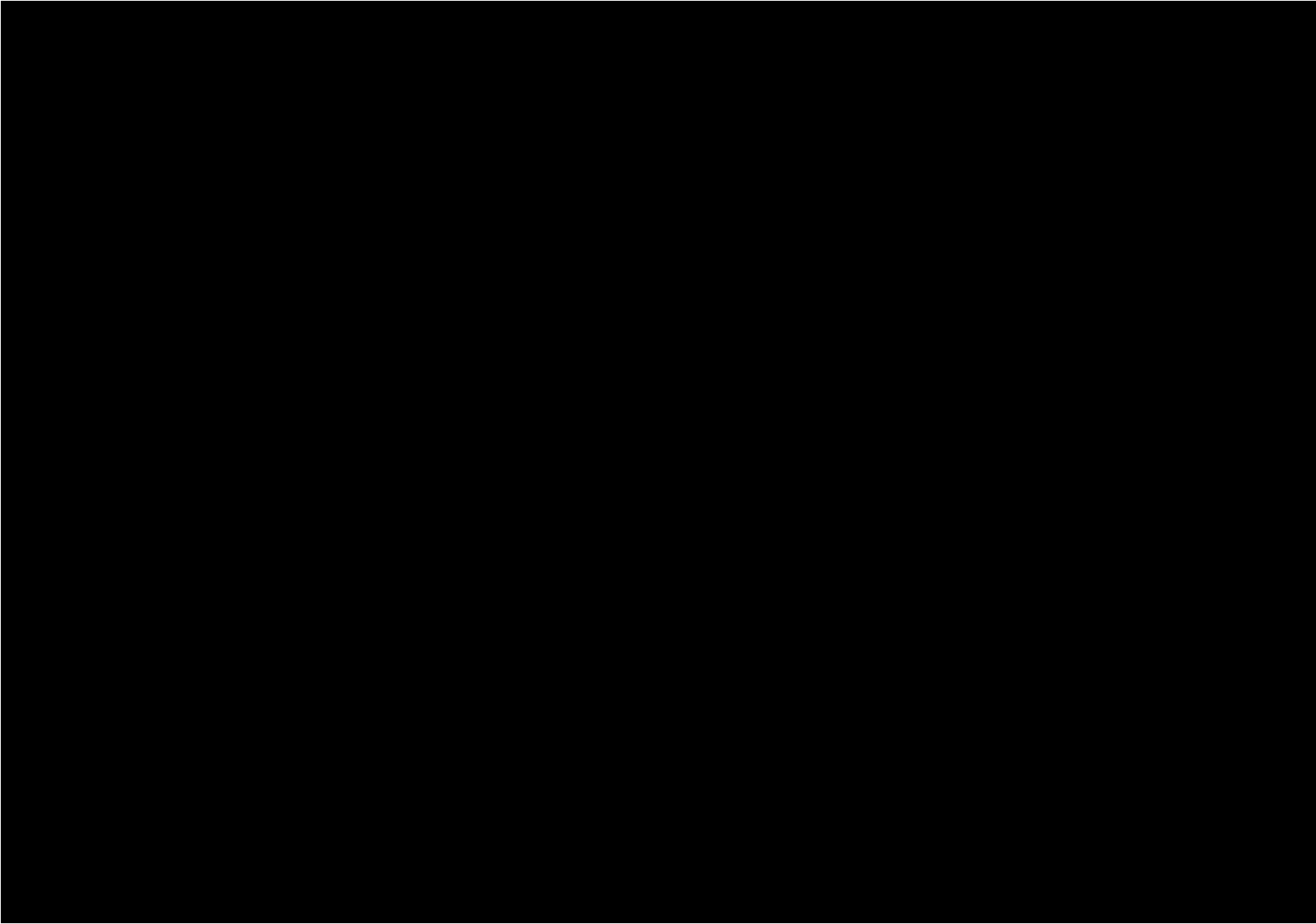
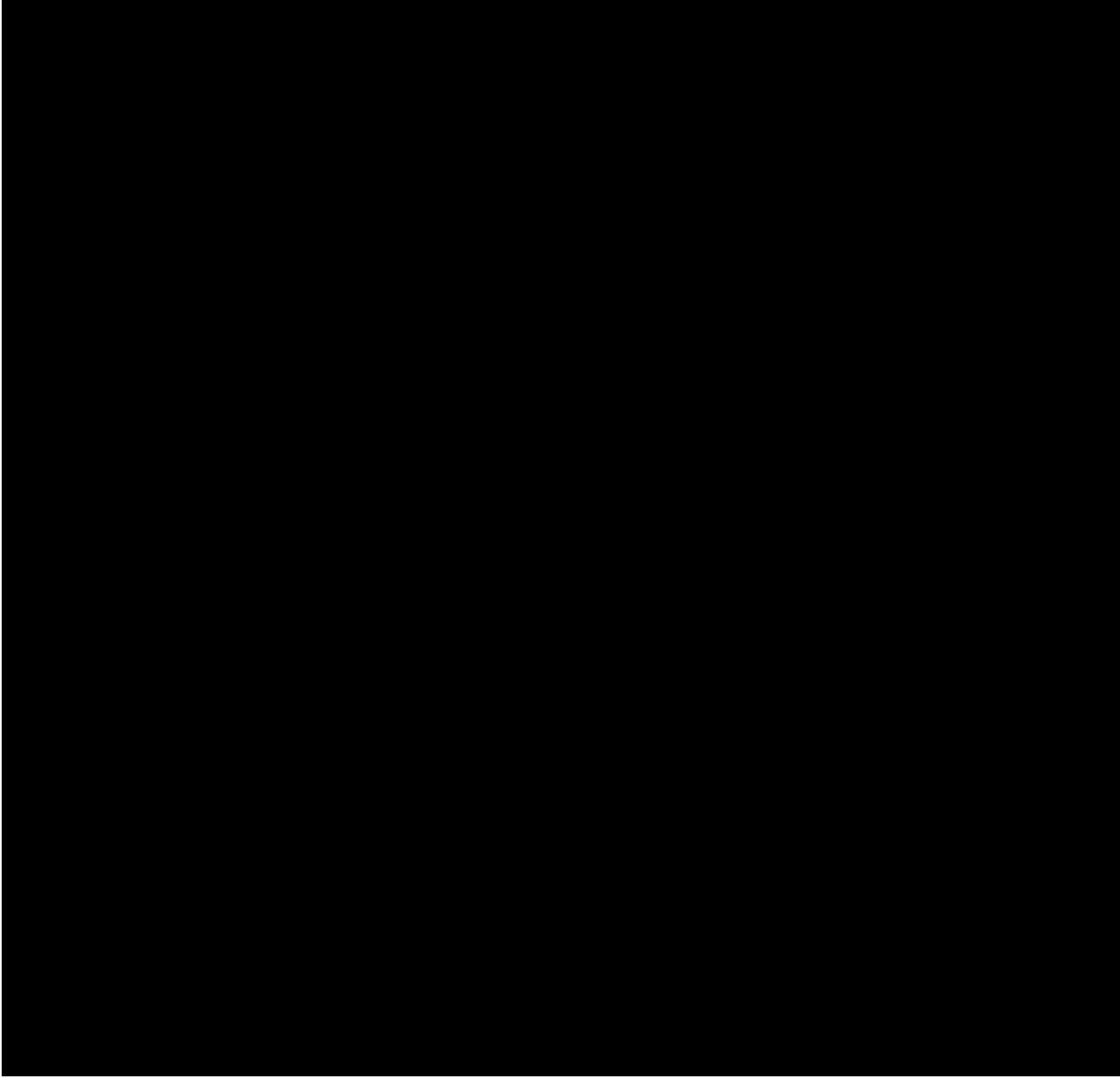
Bid: RES Woods Hill Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	20
Bid Type	Solar
Bid Location	CT
Bid Energy Total (MWh)	630,598

	Month	Year
Bid Start	11	2017
Bid End	10	2037

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



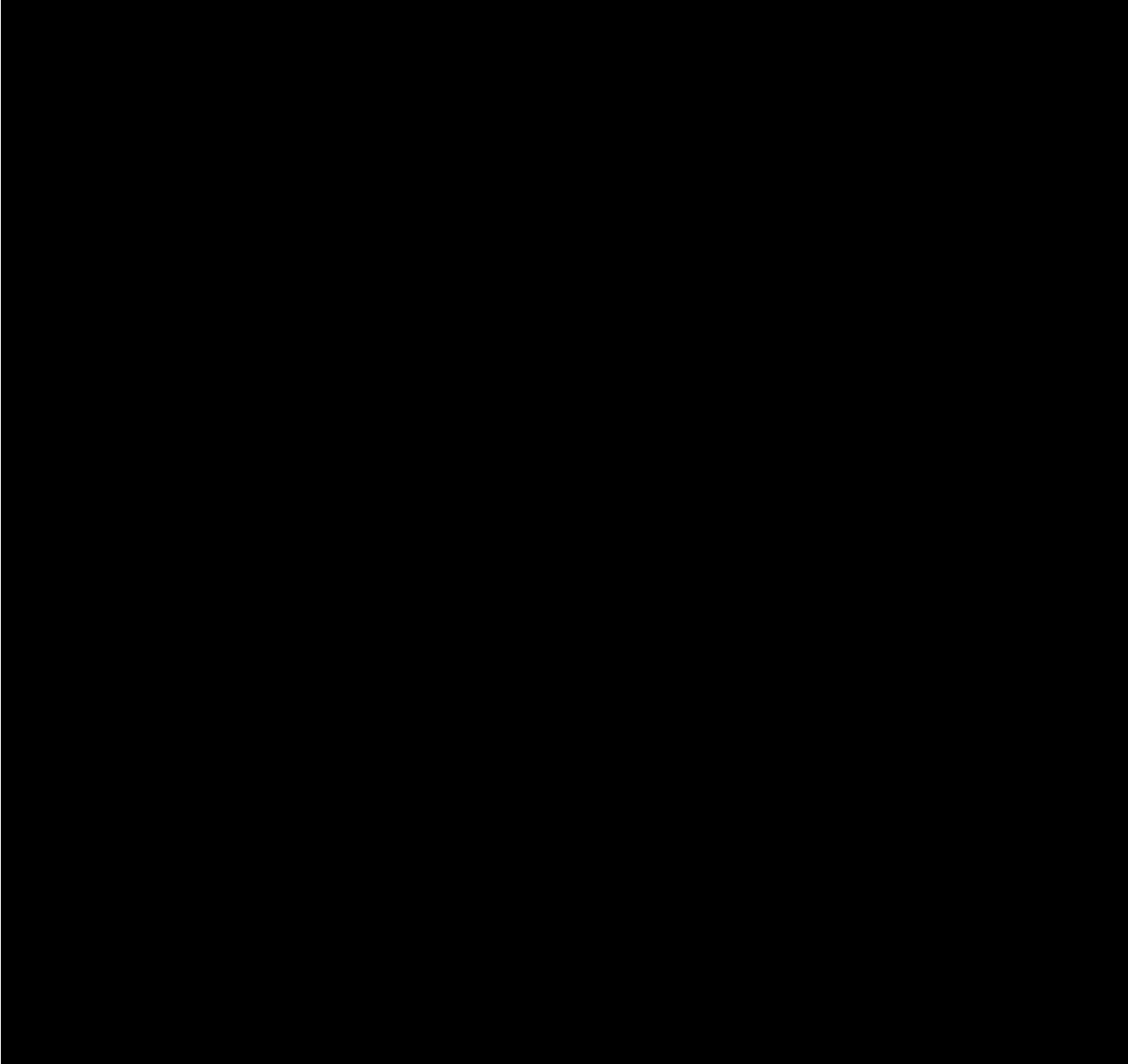
Bid: Simsbury Solar
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	26.4
Bid Type	Solar
Bid Location	CT
Bid Energy Total (MWh)	822,911

	Month	Year
Bid Start	1	2019
Bid End	12	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



Bid: Antrim Wind w/RECS
Benefit Cost Ratio - Quantitative

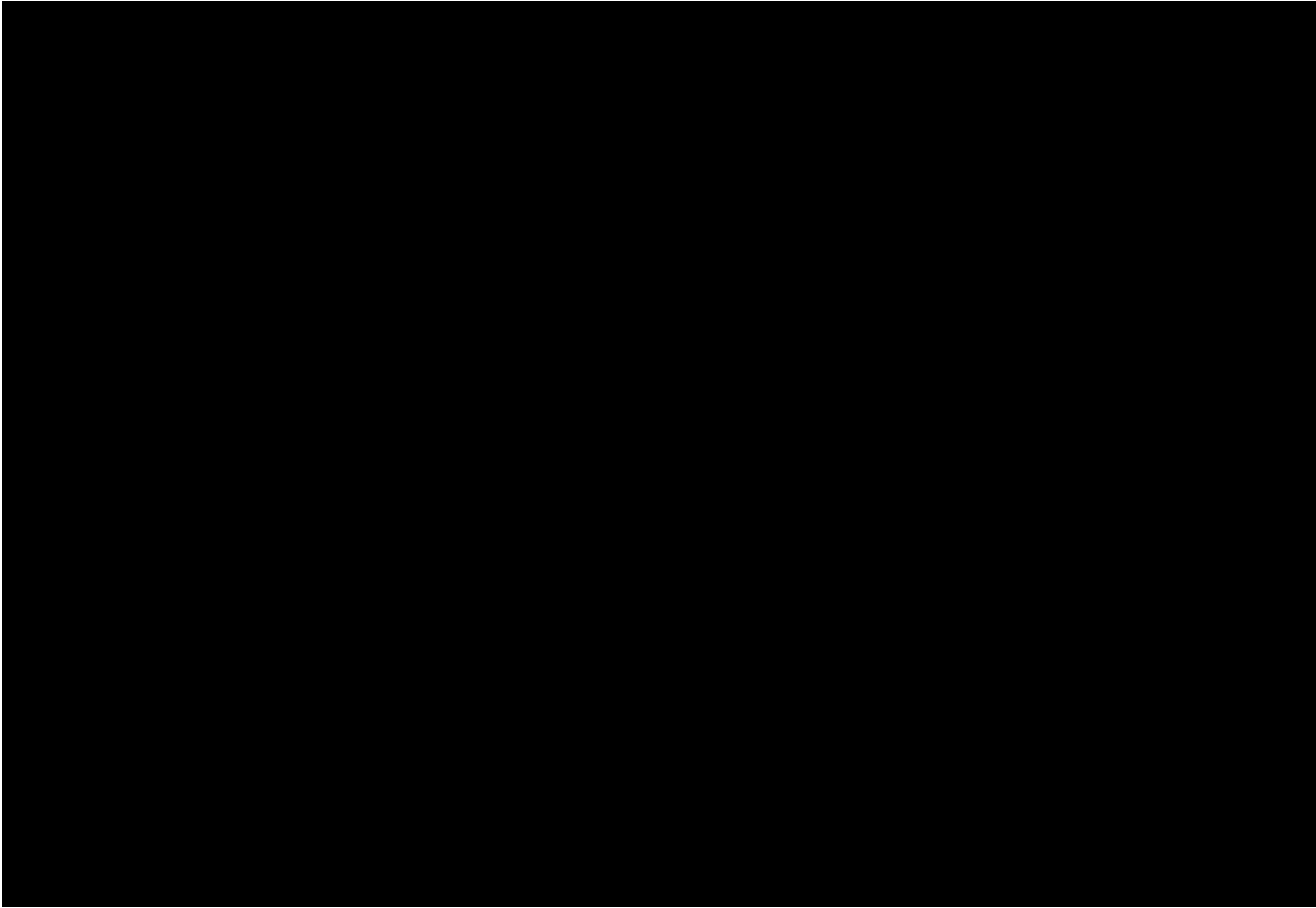
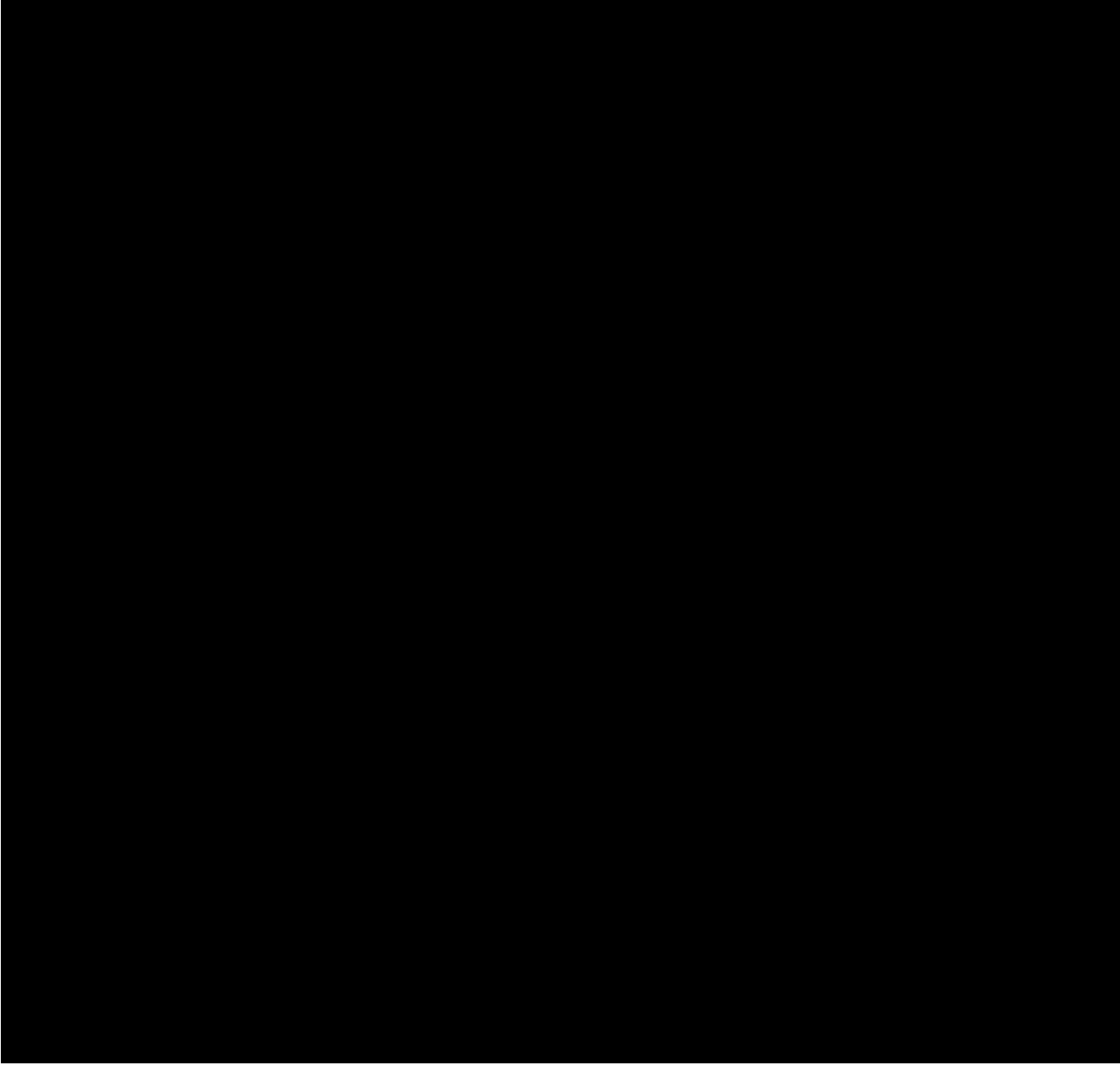
Bid Net Capacity (MW)	21.3
Bid Type	Wind
Bid Location	NH
Bid Energy (MWh) and/or RECs Total	1,412,298

	Month	Year
Bid Start	12	2018
Bid End	11	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%

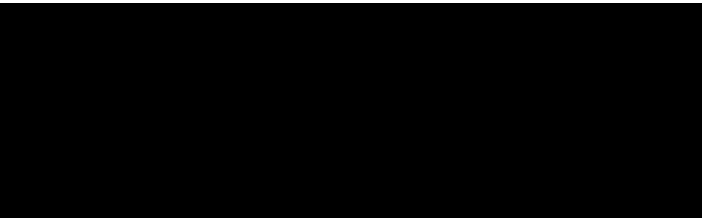


Bid: Antrim Wind RECs Only
Benefit Cost Ratio - Quantitative

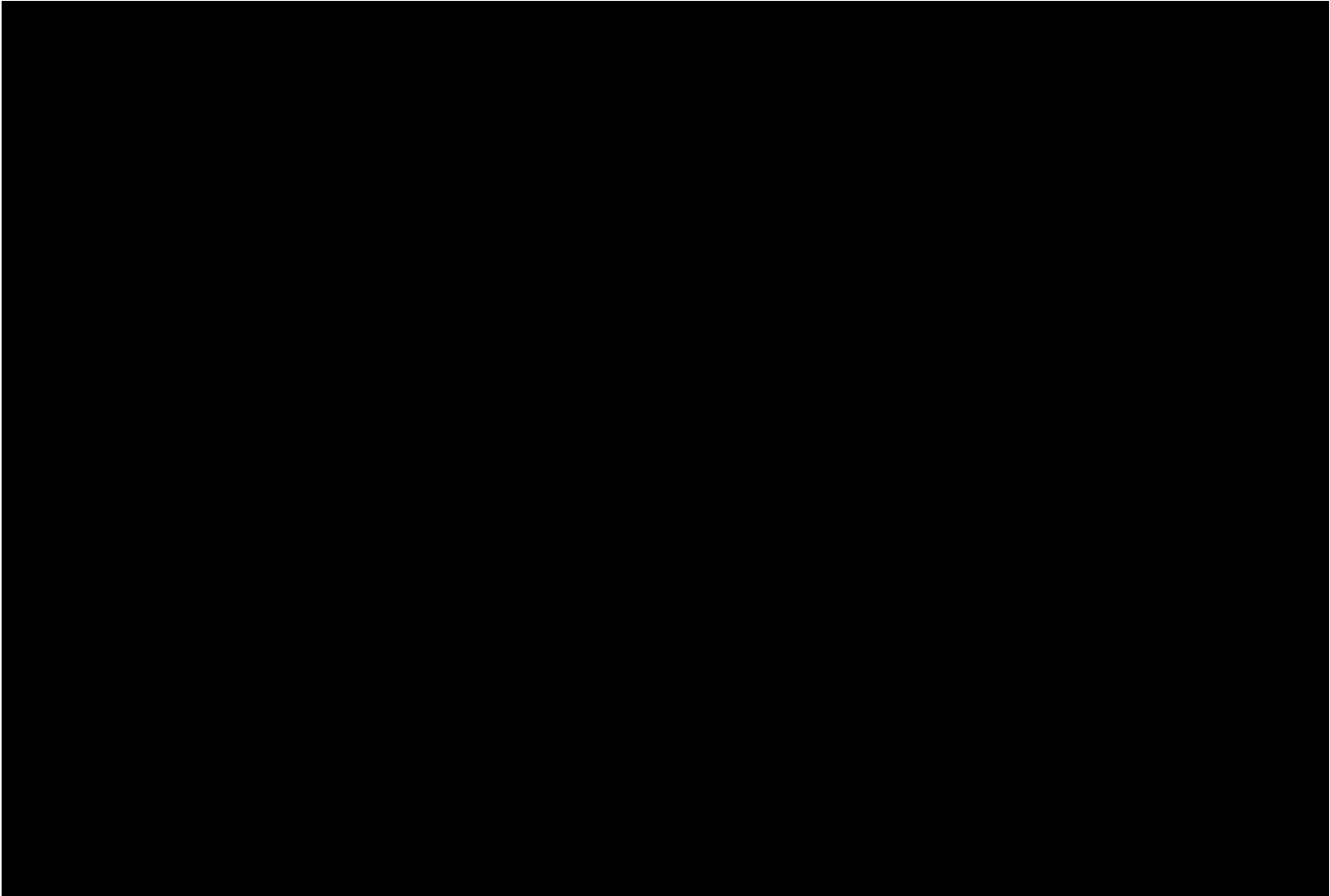
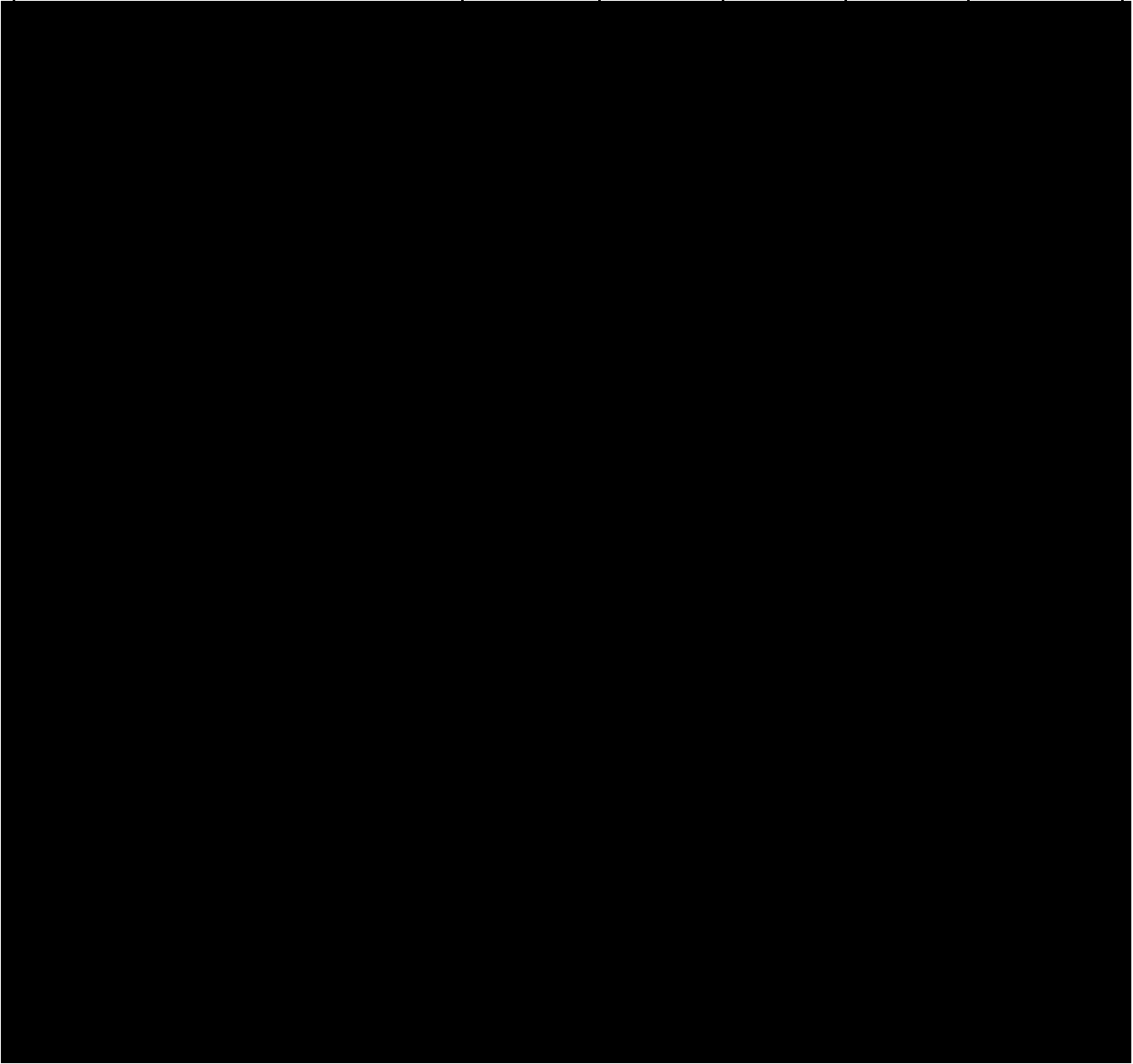
Bid Net Capacity (MW)	21.3
Bid Type	Wind
Bid Location	NH
Bid Energy (MWh) and/or RECs Total	1,412,298

	Month	Year
Bid Start	12	2018
Bid End	11	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



Bid: Canton Mountain
Benefit Cost Ratio - Quantitative

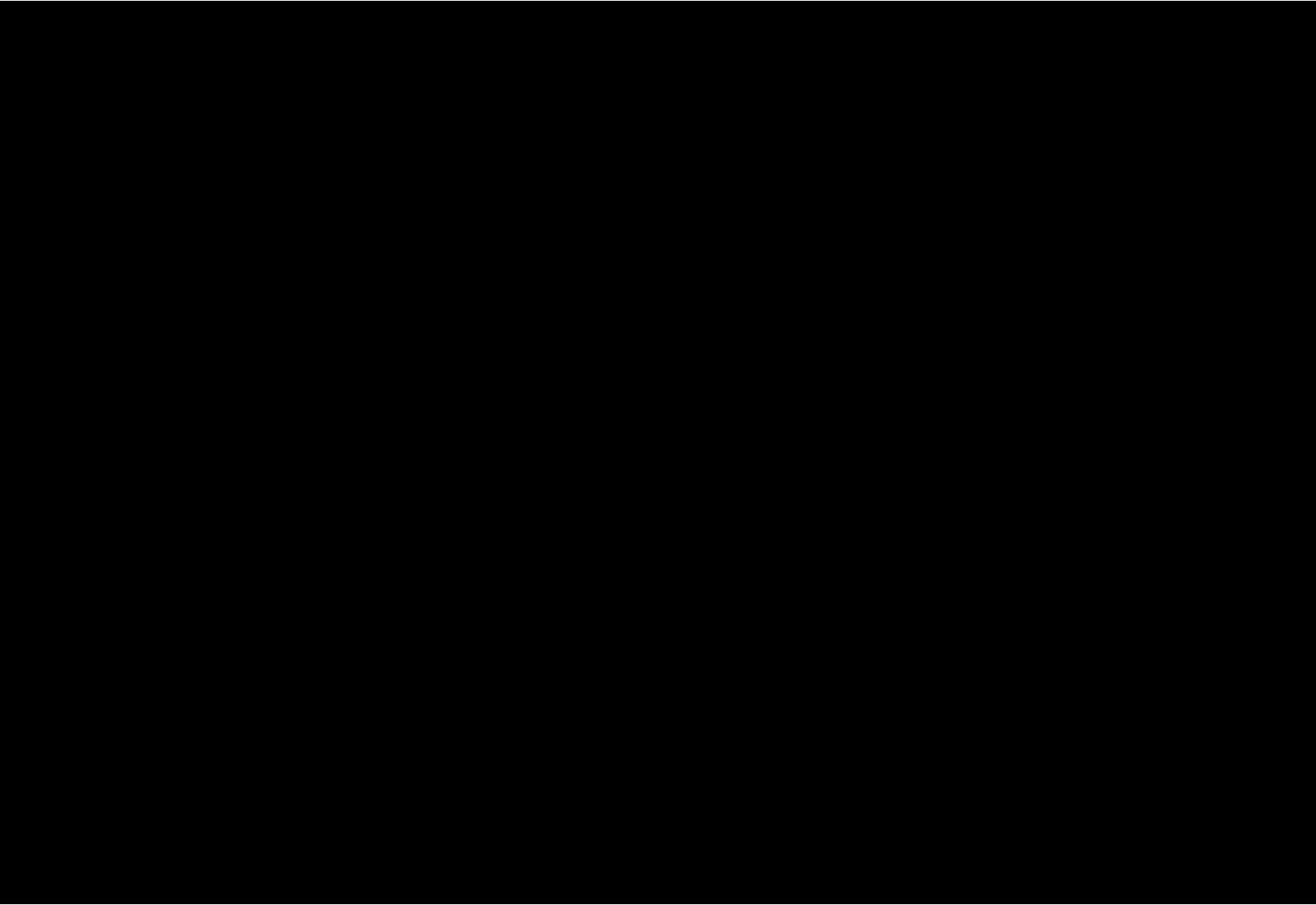
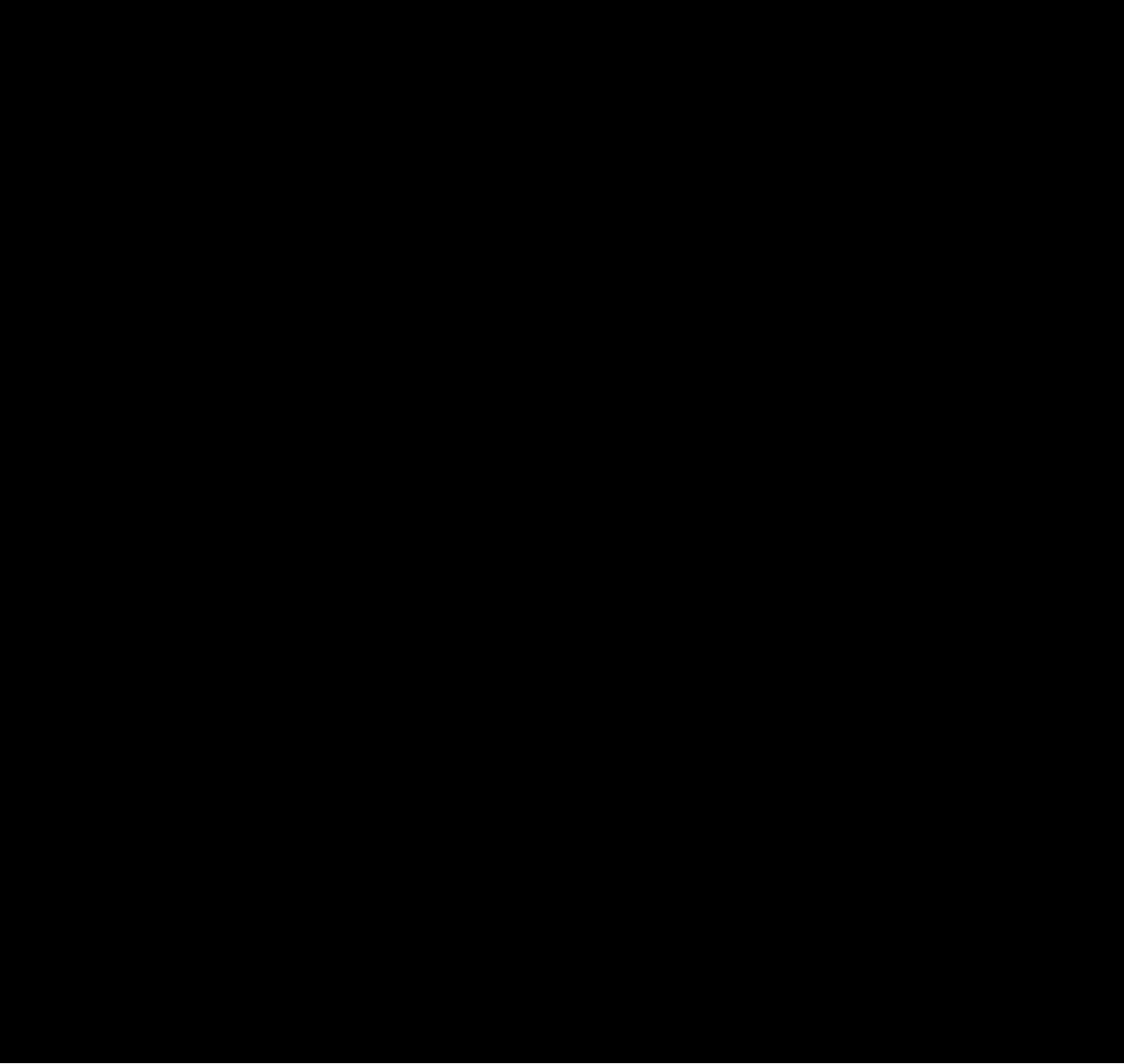
Bid Net Capacity (MW)	22.34
Bid Type	Wind
Bid Location	ME
Bid Energy (MWh) and/or RECs Total	1,252,658

	Month	Year
Bid Start	11	2017
Bid End	10	2037

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%



Bid: **Cassadaga**
Benefit Cost Ratio - Quantitative

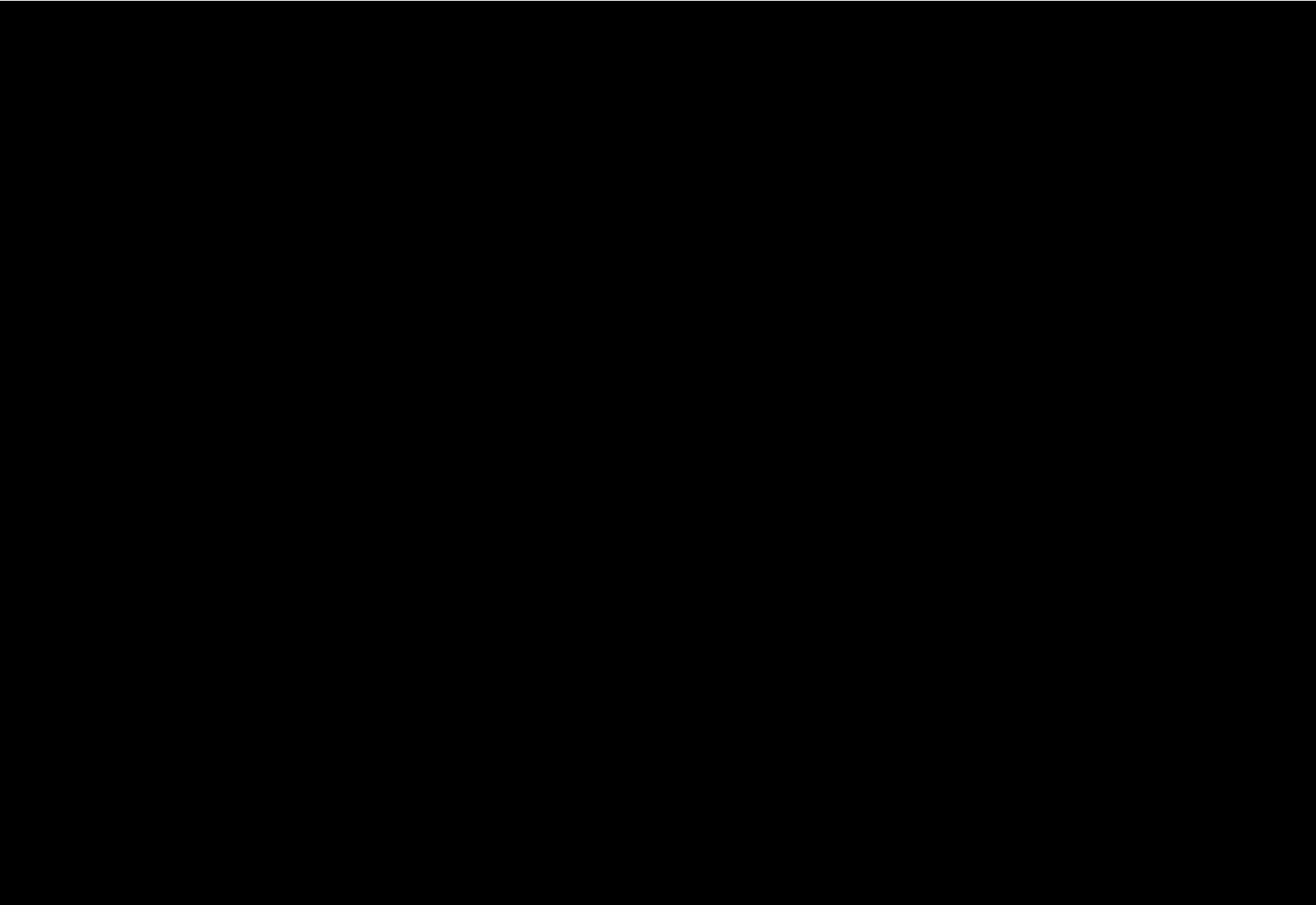
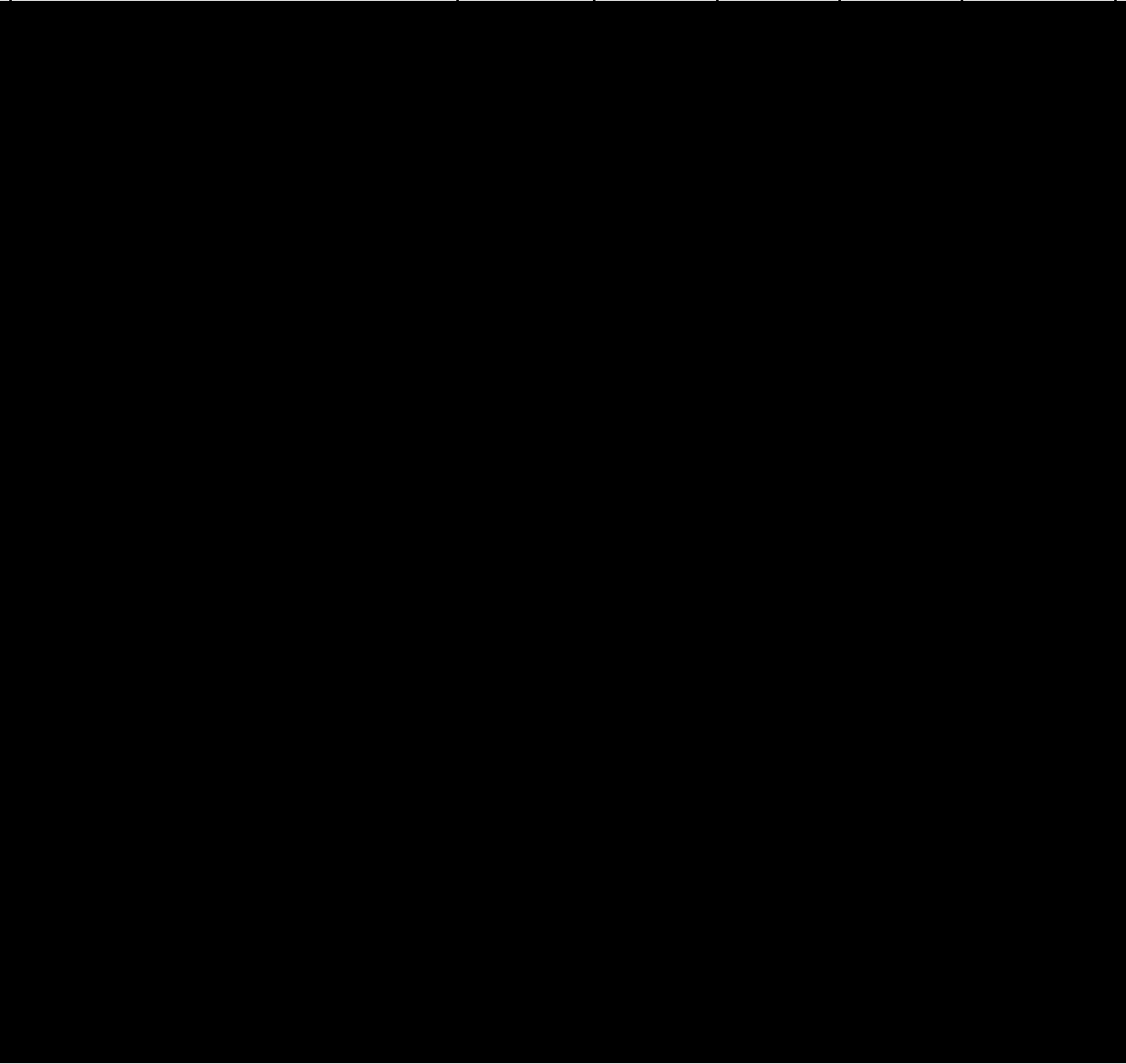
Bid Net Capacity (MW)	126
Bid Type	Wind
Bid Location	NY*
Bid Energy (MWh) and/or RECs Total	9,214,741

	Month	Year
Bid Start	1	2021
Bid End	12	2040

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%

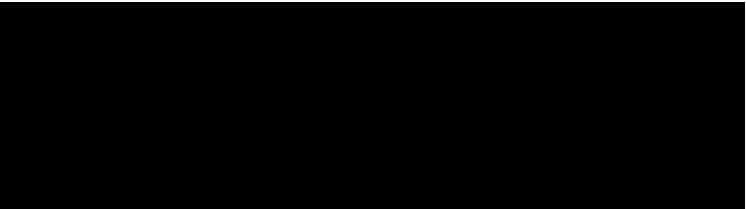


Bid: **Weaver 20**
Benefit Cost Ratio - Quantitative

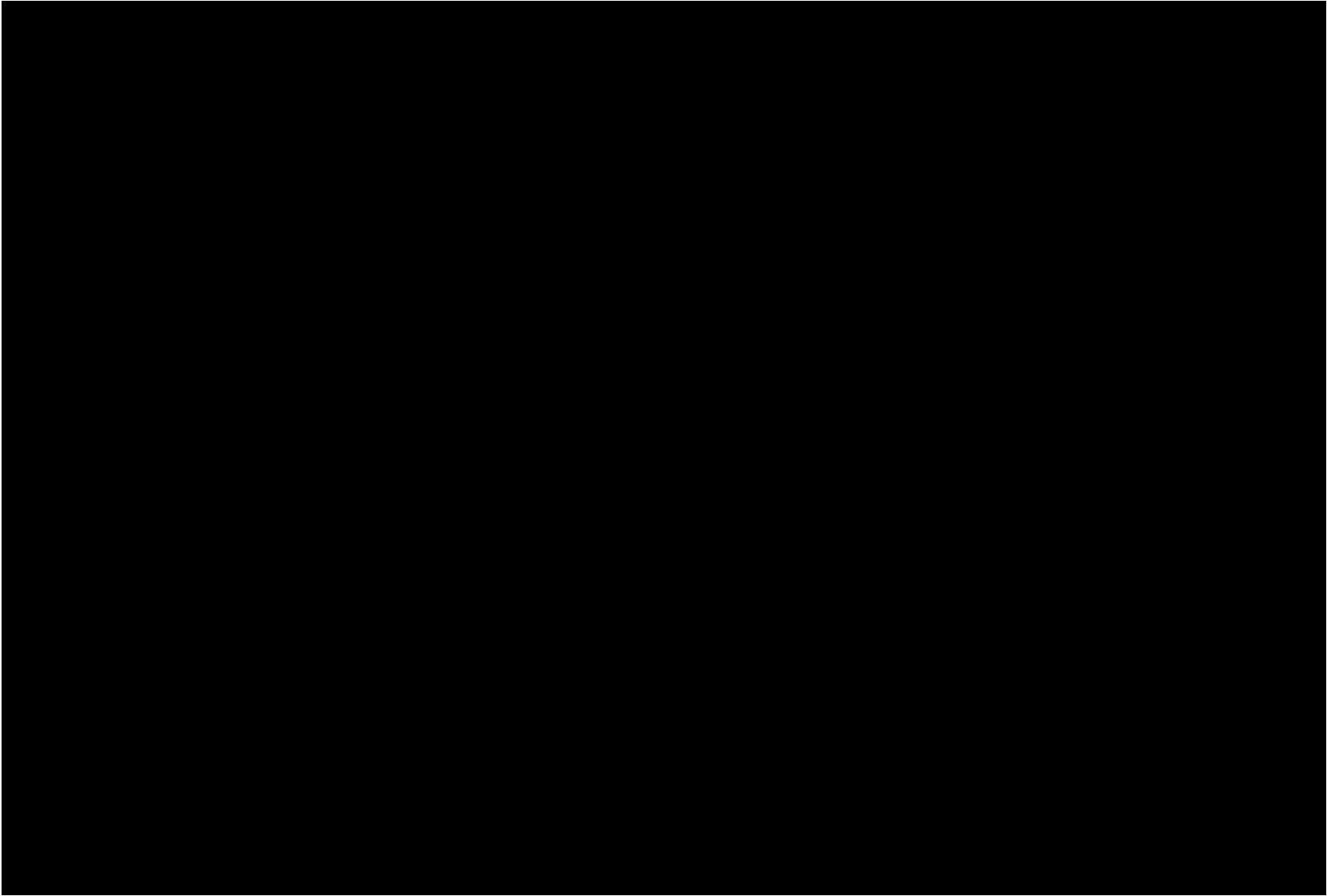
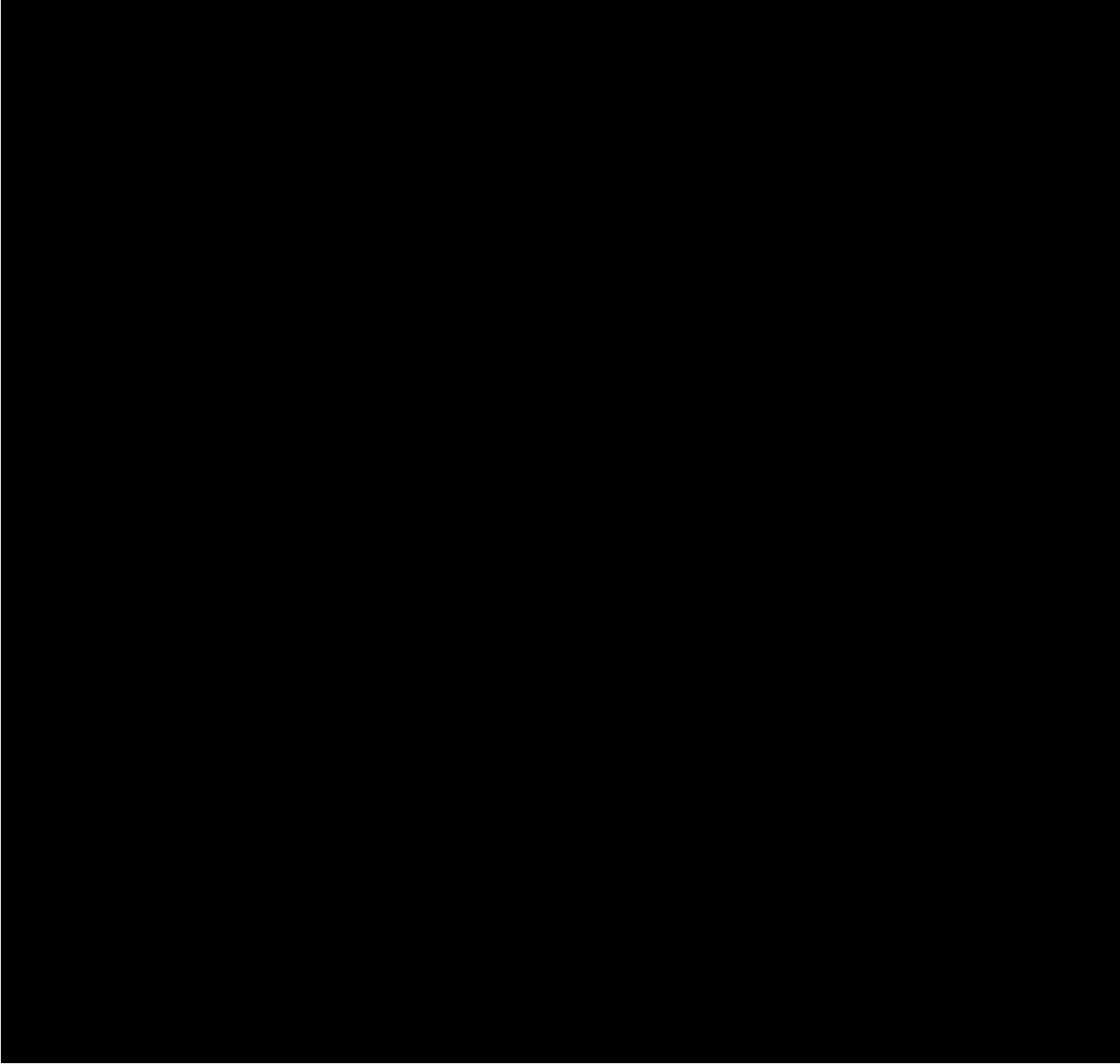
Bid Net Capacity (MW)	72.6
Bid Type	Wind
Bid Location	ME
Bid Energy (MWh) and/or RECs Total	4,293,608

	Month	Year
Bid Start	1	2019
Bid End	12	2038

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%

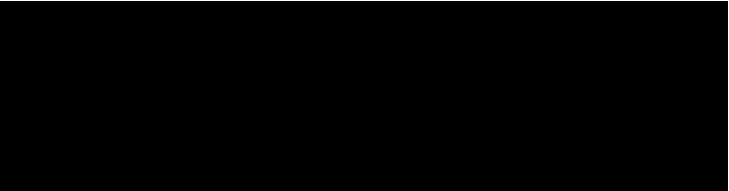


Bid: **Weaver 15**
Benefit Cost Ratio - Quantitative

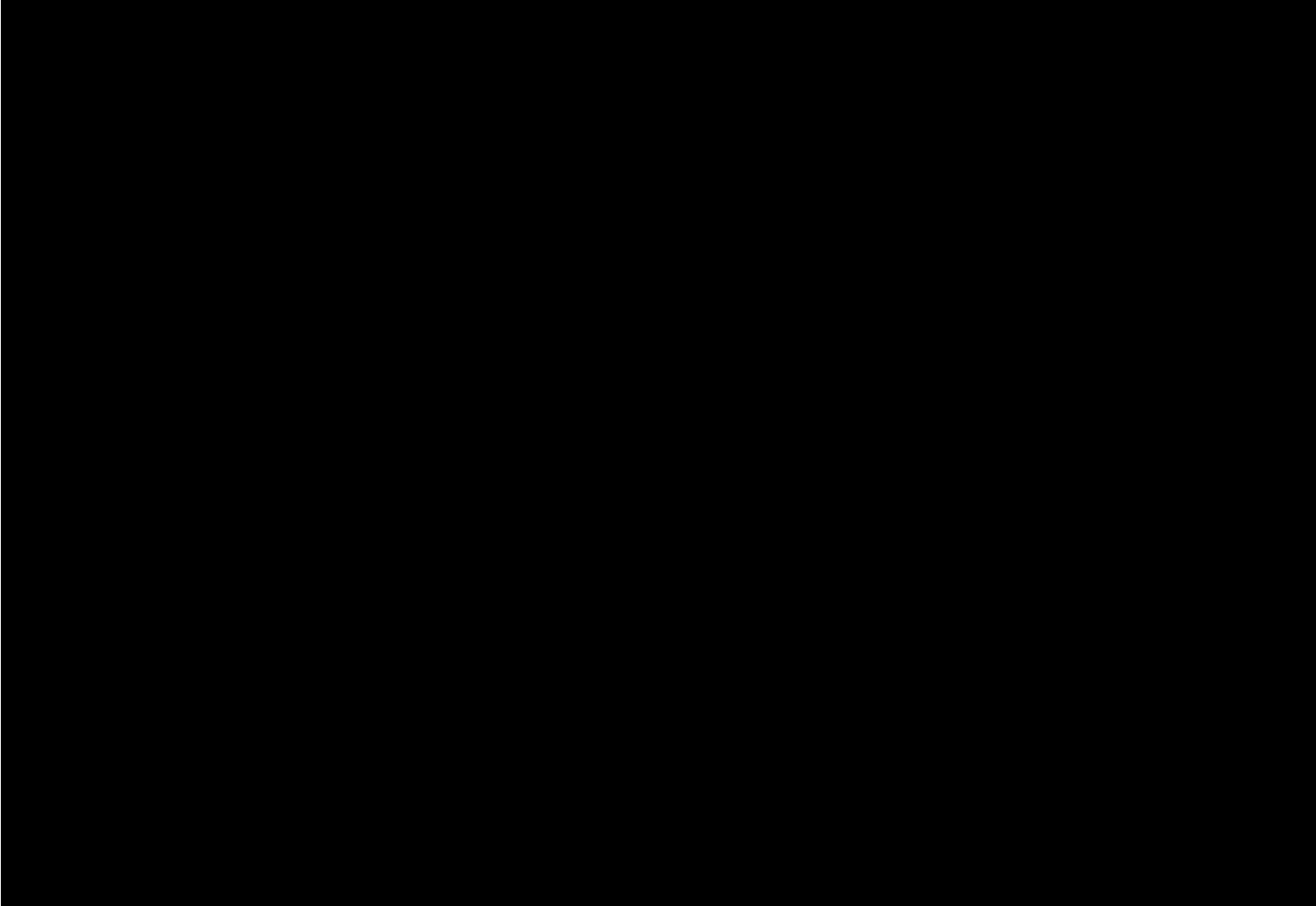
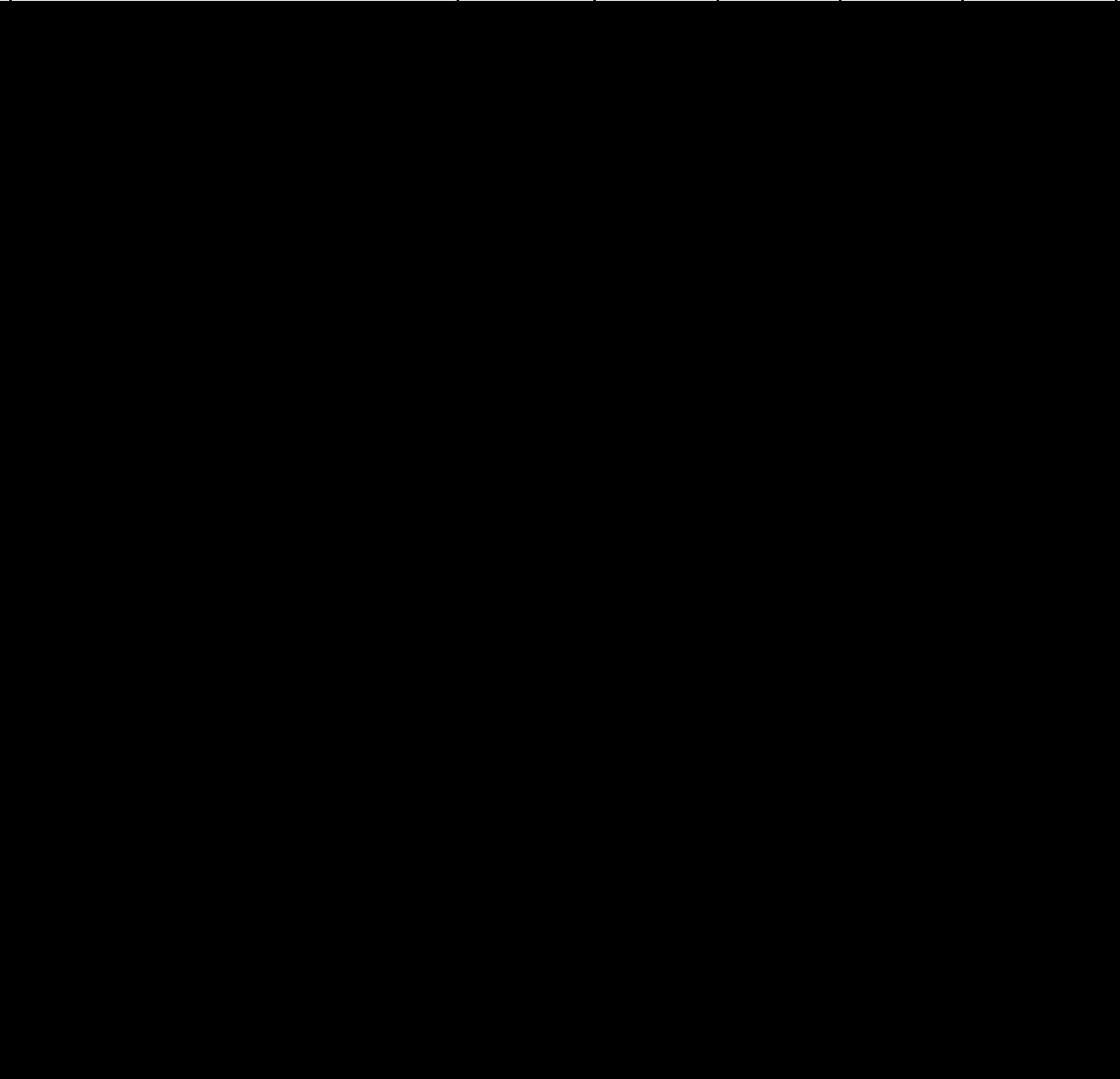
Bid Net Capacity (MW)	72.6
Bid Type	Wind
Bid Location	ME
Bid Energy (MWh) and/or RECs Total	3,222,841

	Month	Year
Bid Start	1	2019
Bid End	12	2033

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2
State PPA Bid Allocator for Direct Impacts		50%	50%	0%	100%

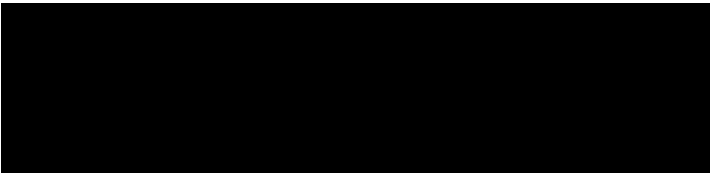


Bid: Beacon Falls
Benefit Cost Ratio - Quantitative

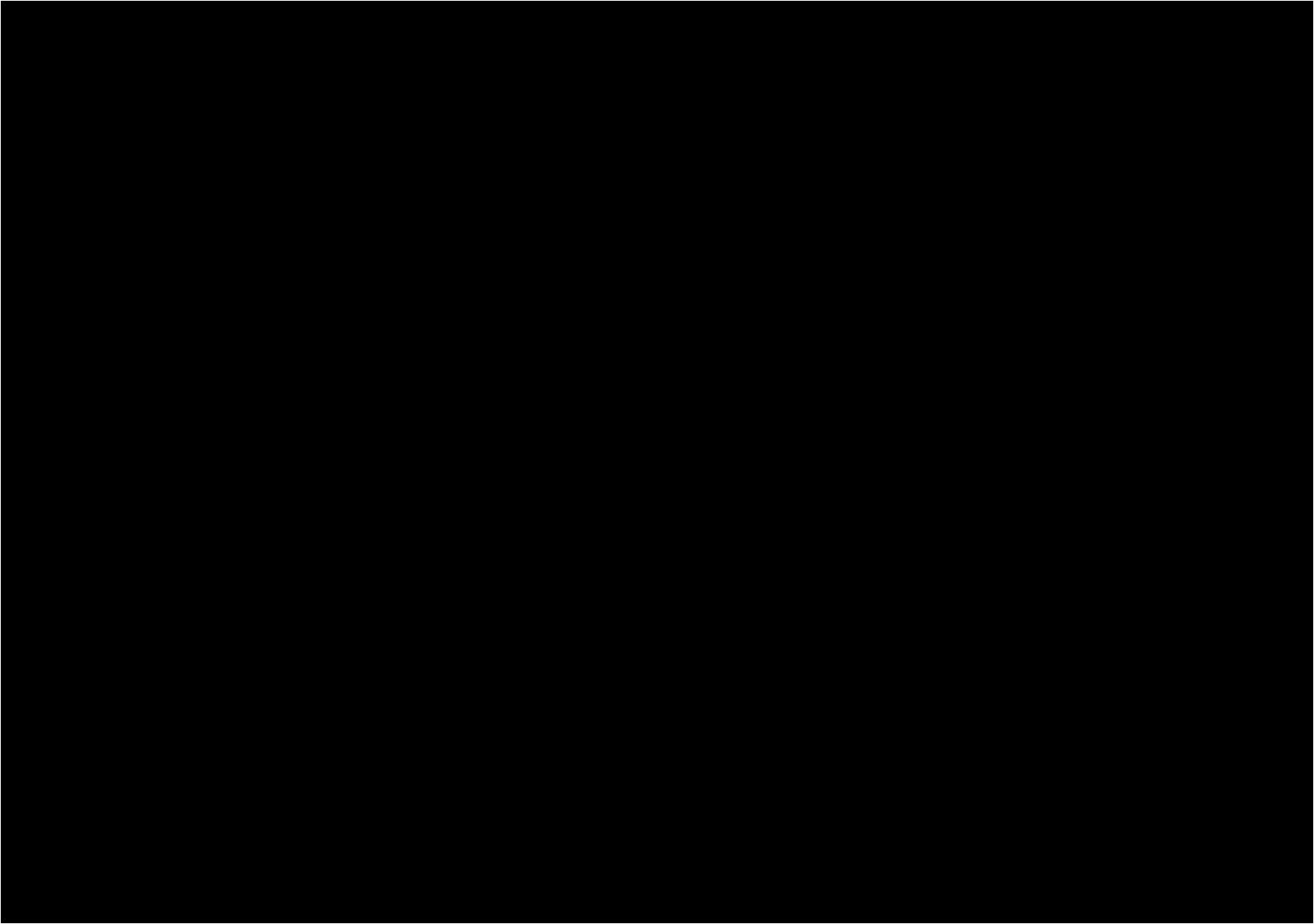
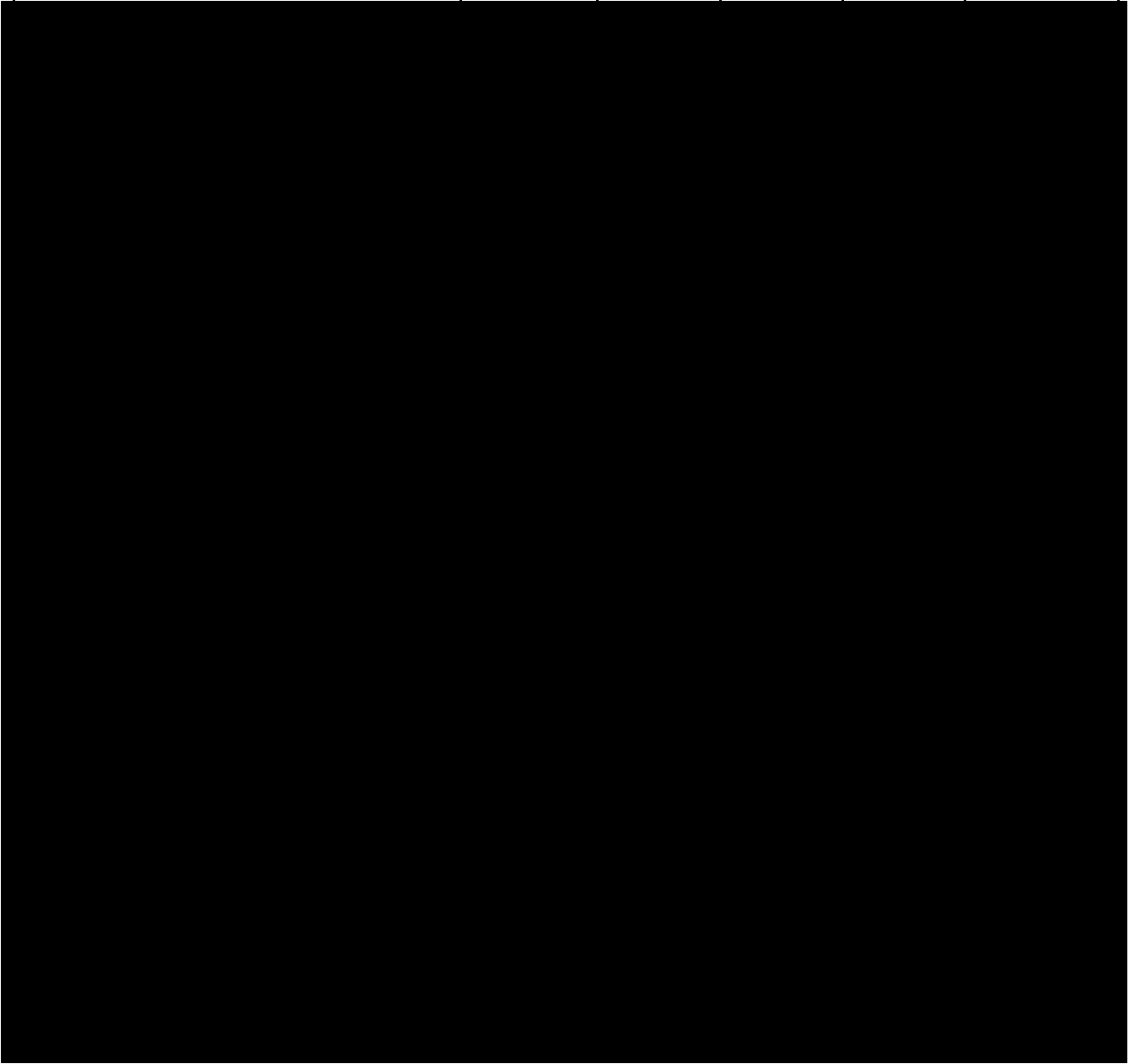
Bid Net Capacity (MW)	63.3
Bid Type	FuelCell
Bid Location	CT
Bid Energy (MWh) and/or RECs Total	9,655,694

	Month	Year
Bid Start	1	2020
Bid End	12	2039

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	0	0	1
State PPA Bid Allocator for Direct Impacts		100%	0%	0%	100%



REDACTED

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Summary of B/C Ratios for Transmission Bids

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

Participation Share	CT	MA	RI
Solar/Wind PPA	50%	50%	0%
Fuel Cell PPA	100%	0%	0%

Bid	Type	PPA		Cap Type	Term	ISD M/Y	% of St.	Unit	Net MW	Net Avg Annual MWh	Net Avg Annual RECs	Avg Cap Factor	Current tail %	Participation %			Decr. CO2 (KST)	Participating States Levelized Nominal \$/MWh										B/C Ratio			
		Egy	REC Tx											CT	MA	RI		Direct Benefit			Indirect Benefit			Net Ben	Dir B/C	B/C Ratio					
																		Egy	REC	Tot	Price	PrdCst	Tot			Cost	CT	MA	RI	PrtSt	

A: Participation Notes:

REDACTED

Bid: CEC
Benefit Cost Ratio - Quantitative

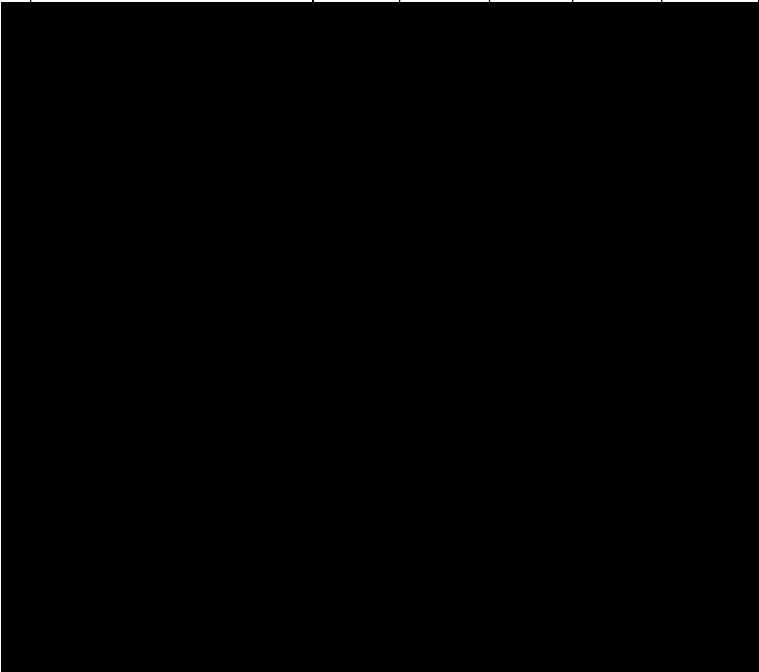
Bid Net Capacity (MW)	600
Bid Type	Hydro/Wind
Bid Location	NY*
Bid Energy (MWh) and/or RECs Total	71,496,147

	Month	Year
Bid Start	6	2020
Bid End	5	2040

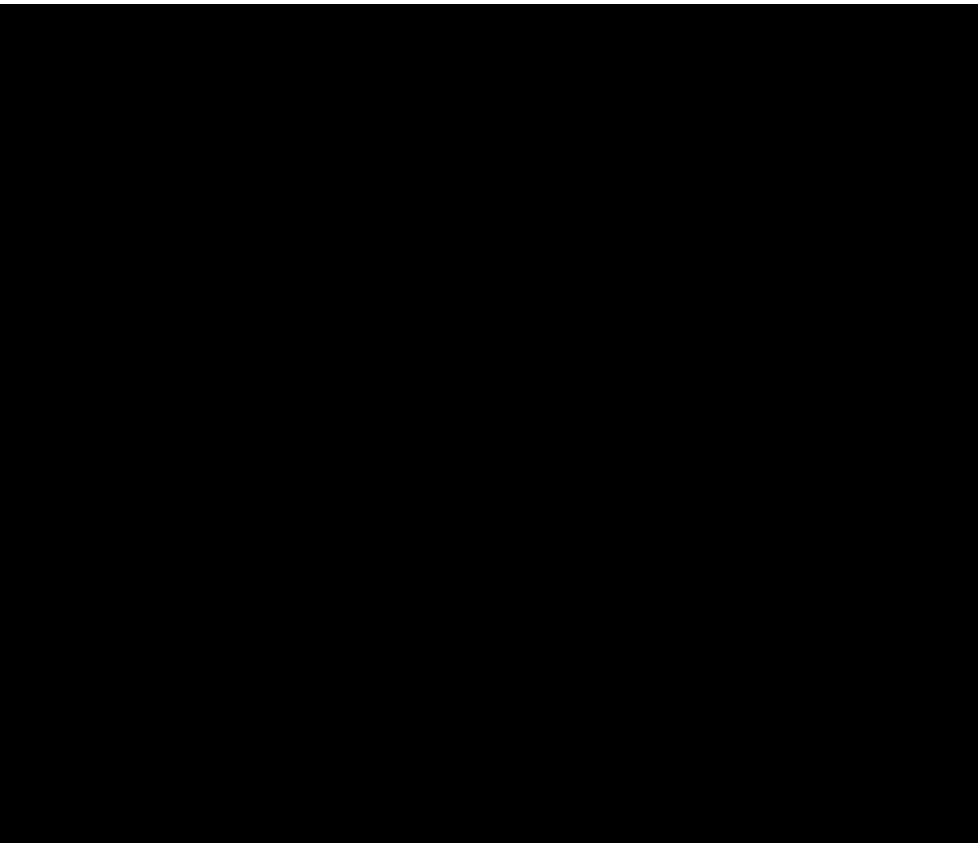
Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



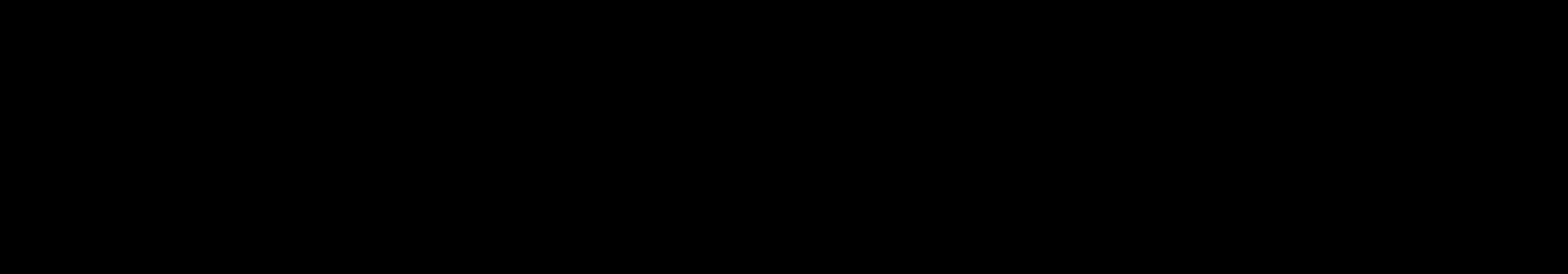
BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2



State PPA Bid Allocator for Direct Impacts - Wind	0%	100%	0%	100%
State PPA Bid Allocator for Direct Impacts - BalWind	100%	0%	0%	100%
State PPA Bid Allocator for Direct Impacts - Hydro	100%	0%	0%	100%



Allocation Between CT and MA	CT					MA					Total				
	Hydro	BalWind	OthWnd	CT Wind	CT Total	Hydro	BalWind	OthWnd	Wind	Total	Hydro	BalWind	OthWnd	Wind	Total



REDACTED

Bid: CEC NoMR
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	600
Bid Type	Hydro/Wind
Bid Location	NY*
Bid Energy (MWh) and/or RECs Total	71,496,147

	Month	Year
Bid Start	6	2020
Bid End	5	2040

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI				
	EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2

State PPA Bid Allocator for Direct Impacts - Wind	0%	100%	0%	100%
State PPA Bid Allocator for Direct Impacts - BalWind	100%	0%	0%	100%
State PPA Bid Allocator for Direct Impacts - Hydro	100%	0%	0%	100%

Allocation Between CT and MA	CT					MA					Total				
	Hydro	BalWind	OthWnd	CT Wind	CT Total	Hydro	BalWind	OthWnd	Wind	Total	Hydro	BalWind	OthWnd	Wind	Total

REDACTED

Bid: CEC PAR NoMR
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	600
Bid Type	Hydro/Wind
Bid Location	NY*
Bid Energy (MWh) and/or RECs Total	71,496,147

	Month	Year
Bid Start	6	2020
Bid End	5	2040

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI				
	EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2

State PPA Bid Allocator for Direct Impacts - Wind	0%	100%	0%	100%
State PPA Bid Allocator for Direct Impacts - BalWind	100%	0%	0%	100%
State PPA Bid Allocator for Direct Impacts - Hydro	100%	0%	0%	100%

Allocation Between CT and MA	CT					MA					Total				
	Hydro	BalWind	OthWnd	CT Wind	CT Total	Hydro	BalWind	OthWnd	Wind	Total	Hydro	BalWind	OthWnd	Wind	Total

REDACTED

Bid: CEC PAR NoMR w/EI PAR Ref
Benefit Cost Ratio - Quantitative

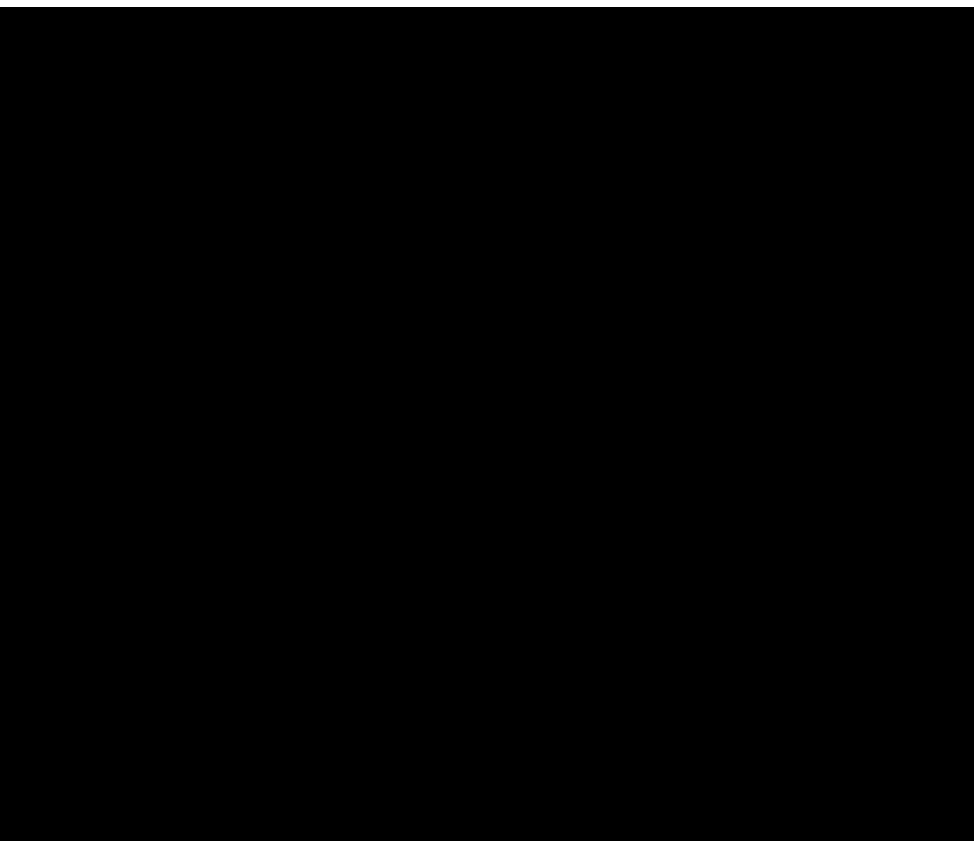
Bid Net Capacity (MW)	600
Bid Type	Hydro/Wind
Bid Location	NY*
Bid Energy (MWh) and/or RECs Total	71,496,147

	Month	Year
Bid Start	6	2020
Bid End	5	2040

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

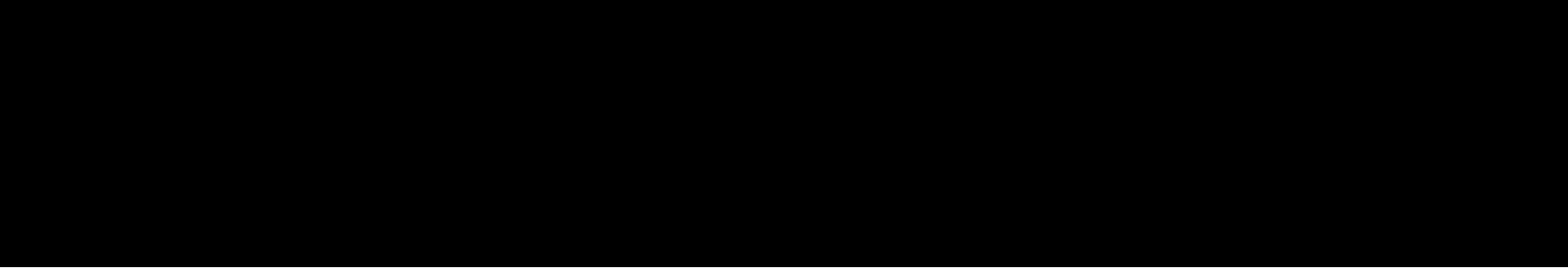


BENEFIT COST RATIO	CT/MA/RI EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2



State PPA Bid Allocator for Direct Impacts - Wind	0%	100%	0%	100%
State PPA Bid Allocator for Direct Impacts - BalWind	100%	0%	0%	100%
State PPA Bid Allocator for Direct Impacts - Hydro	100%	0%	0%	100%

Allocation Between CT and MA	CT					MA					Total				
	Hydro	BalWind	OthWnd	CT Wind	CT Total	Hydro	BalWind	OthWnd	Wind	Total	Hydro	BalWind	OthWnd	Wind	Total



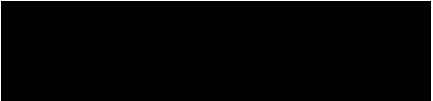
REDACTED

Bid: NPT
Benefit Cost Ratio - Quantitative

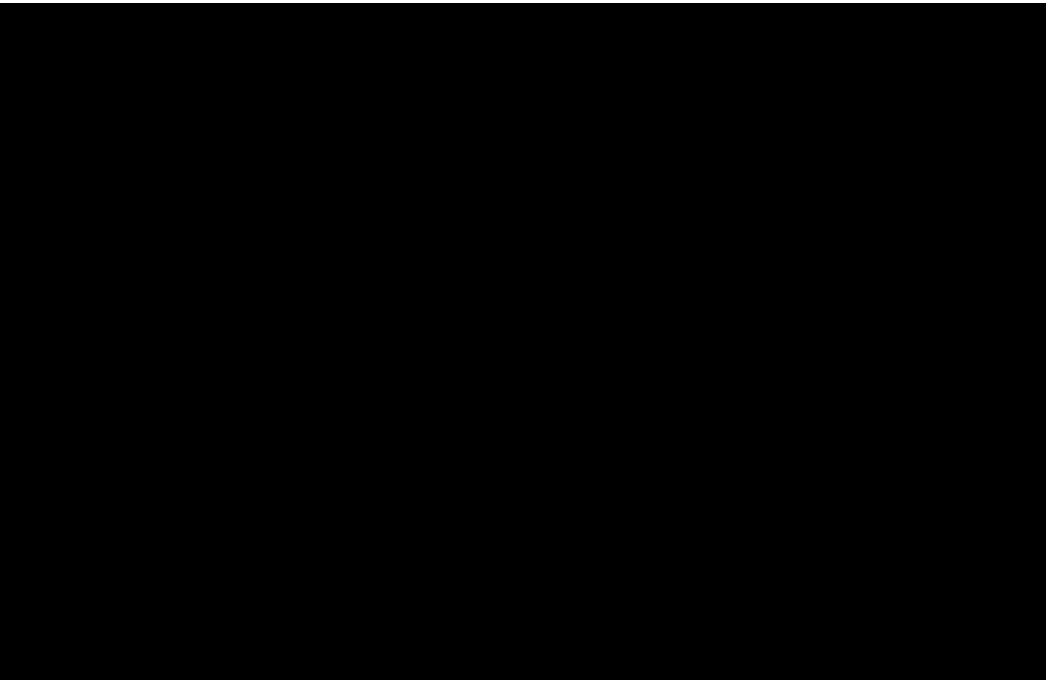
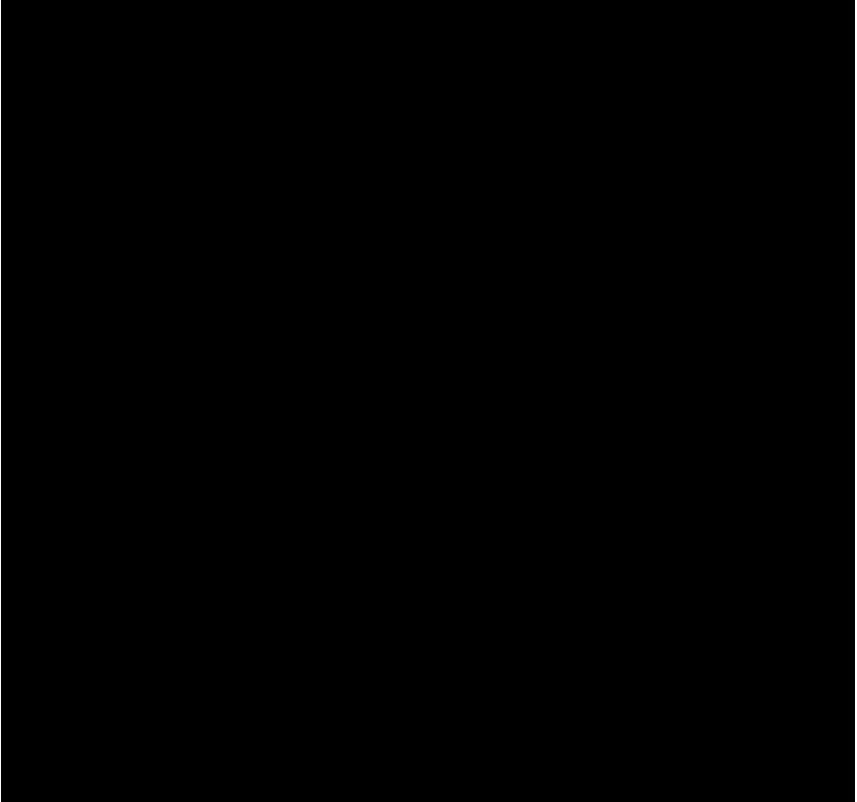
Bid Net Capacity (MW)	1090
Bid Type	Hydro
Bid Location	NH*
Bid Energy (MWh) and/or RECs Total	101,693,149

	Month	Year
Bid Start	1	2020
Bid End	12	2039

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI				Participating
EDC Total	EDC Total	CT	MA	RI	State Total
State Participation Flag		1	1	1	3



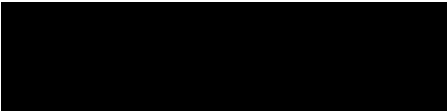
REDACTED

Bid: NPT NoMR
Benefit Cost Ratio - Quantitative

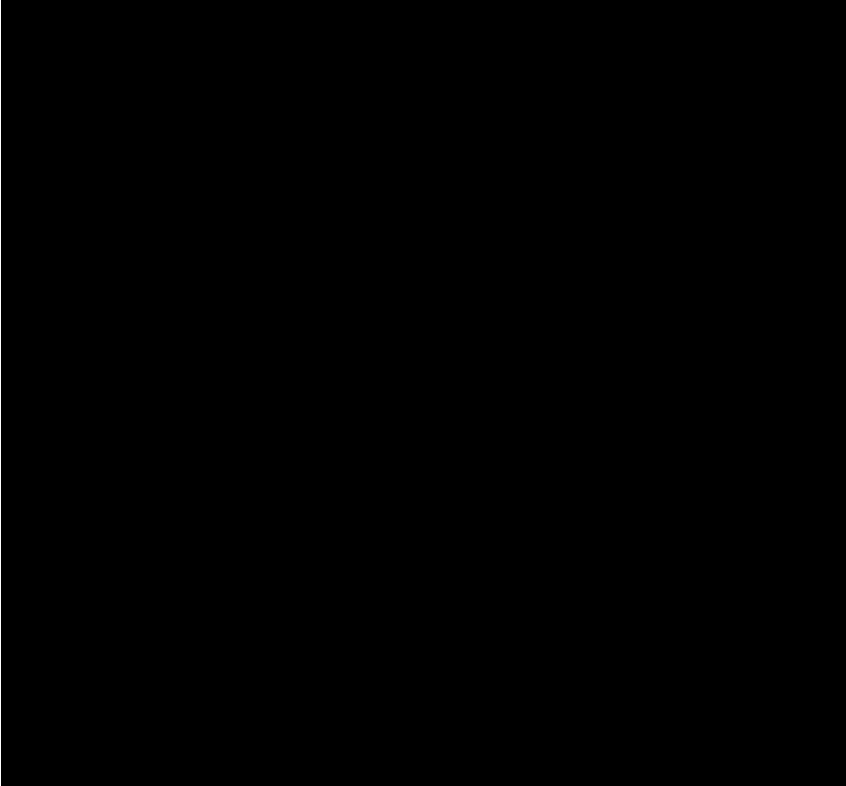
Bid Net Capacity (MW)	1090
Bid Type	Hydro
Bid Location	NH*
Bid Energy (MWh) and/or RECs Total	101,689,995

	Month	Year
Bid Start	1	2020
Bid End	12	2039

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



BENEFIT COST RATIO	CT/MA/RI				Participating
EDC Total	EDC Total	CT	MA	RI	State Total
State Participation Flag		1	1	1	3



REDACTED

Bid: VGL
Benefit Cost Ratio - Quantitative

Bid Net Capacity (MW)	400
Bid Type	Hydro/Wind
Bid Location	VT
Bid Energy (MWh) and/or RECs Total	68,349,047

	Month	Year
Bid Start	1	2021
Bid End	12	2040

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

BENEFIT COST RATIO	CT/MA/RI				
	EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2

State PPA Bid Allocator for Direct Impacts - Wind	50%	50%	0%	100%
State PPA Bid Allocator for Direct Impacts - Hydro	100%	0%	0%	100%

Allocation Between CT and MA	CT Hydro	CT Wind	CT Total	MA Hydro	MA Wind	MA Total	Total Hydro	Total Wind	Total
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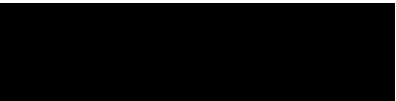
REDACTED

Bid: VGL PAR NoMR
Benefit Cost Ratio - Quantitative

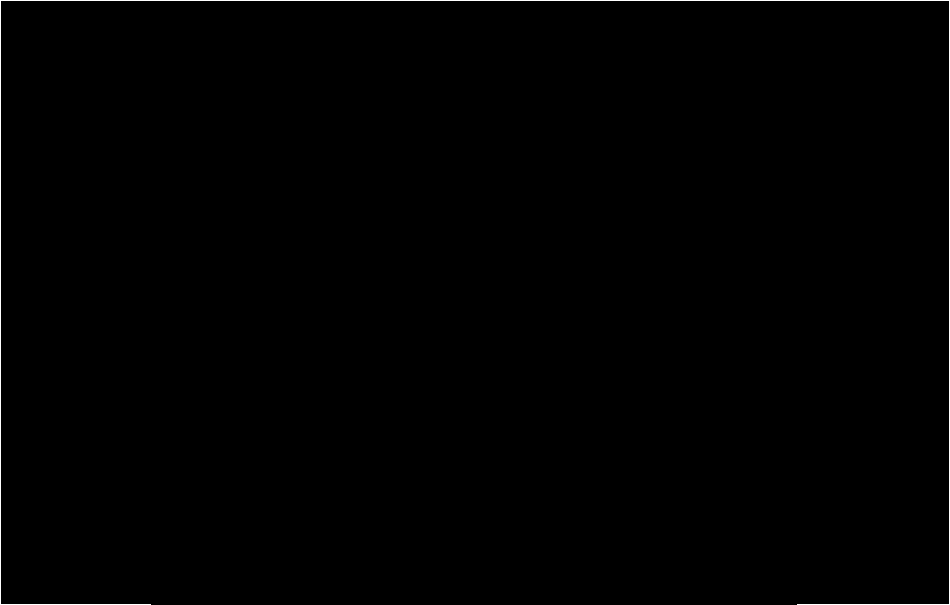
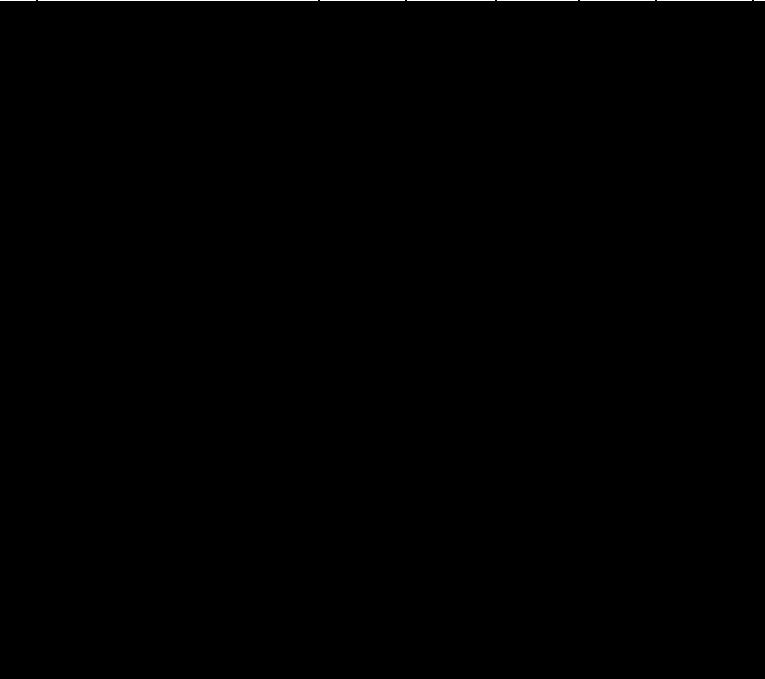
Bid Net Capacity (MW)	400
Bid Type	Hydro/Wind
Bid Location	VT
Bid Energy (MWh) and/or RECs Total	68,349,047

	Month	Year
Bid Start	1	2021
Bid End	12	2040

Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%

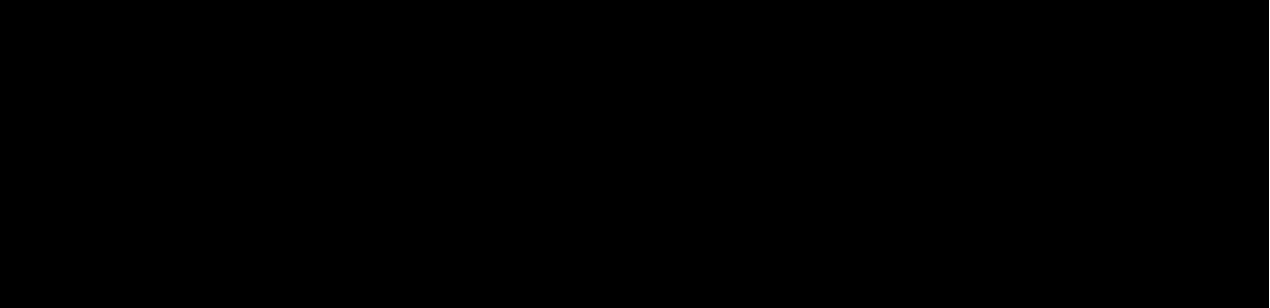


BENEFIT COST RATIO	CT/MA/RI				Participating
	EDC Total	CT	MA	RI	State Total
State Participation Flag		1	1	0	2



State PPA Bid Allocator for Direct Impacts - Wind	50%	50%	0%	100%
State PPA Bid Allocator for Direct Impacts - Hydro	100%	0%	0%	100%

Allocation Between CT and MA	CT Hydro	CT Wind	CT Total	MA Hydro	MA Wind	MA Total	Total Hydro	Total Wind	Total
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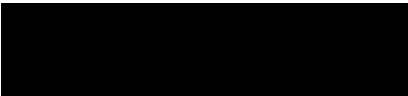
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Bid: VGL PAR NoMR w/EI PAR Ref
Benefit Cost Ratio - Quantitative

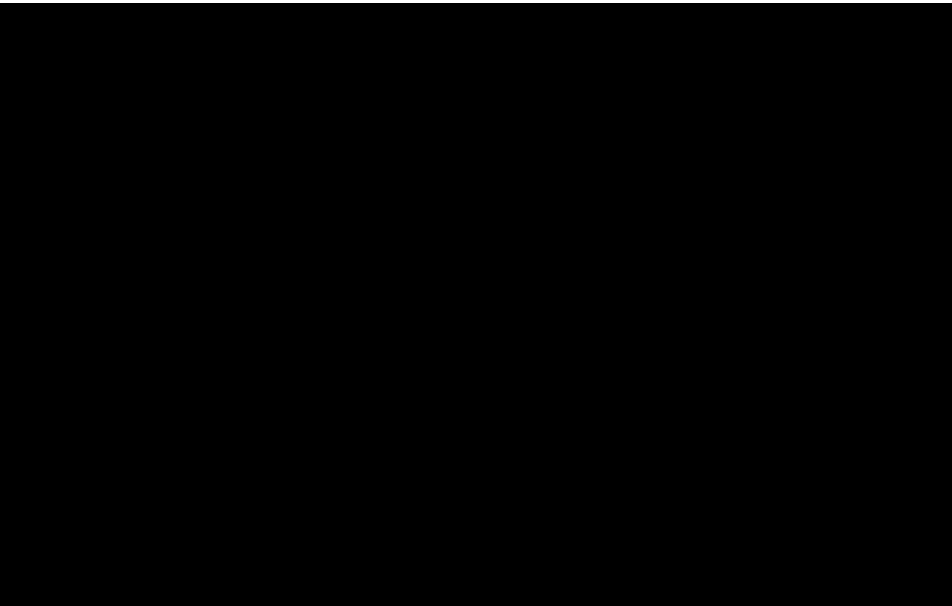
Bid Net Capacity (MW)	400
Bid Type	Hydro/Wind
Bid Location	VT
Bid Energy (MWh) and/or RECs Total	68,349,047

	Month	Year
Bid Start	1	2021
Bid End	12	2040

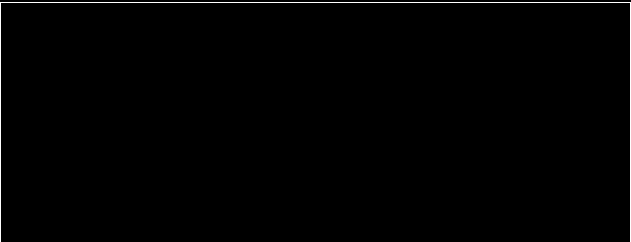
Indirect Benefit Weighting	
Load Payment Reduction	70%
Production Cost Savings	30%



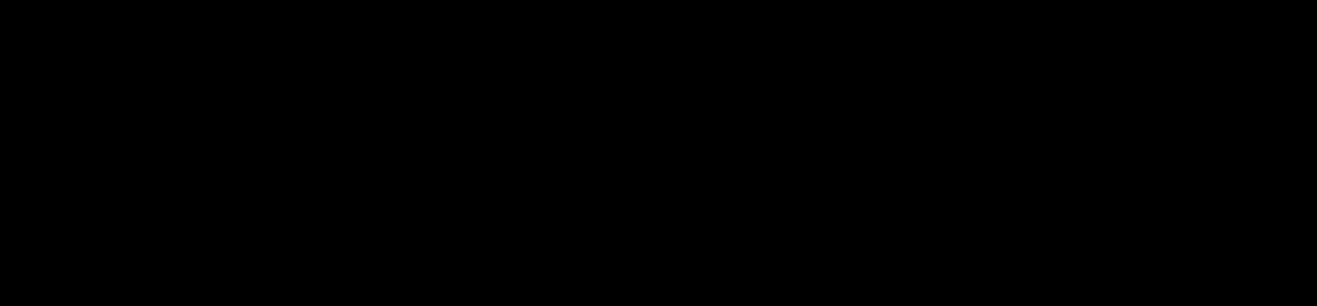
BENEFIT COST RATIO	CT/MA/RI				
	EDC Total	CT	MA	RI	Participating State Total
State Participation Flag		1	1	0	2



State PPA Bid Allocator for Direct Impacts - Wind	50%	50%	0%	100%
State PPA Bid Allocator for Direct Impacts - Hydro	100%	0%	0%	100%



Allocation Between CT and MA	CT Hydro	CT Wind	CT Total	MA Hydro	MA Wind	MA Total	Total Hydro	Total Wind	Total
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REDACTED

ISONETotal Summary Preliminary Draft		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
ISONETotal Hub LMP's (2014 \$/MWh)		On-Peak Off-Peak All Hours											
ISONETotal Generation by Type (MWh)	Nuclear												
	ST Coal												
	CC												
	CT Gas												
	ST Gas												
	Hydro												
	Utility-Scale Solar												
	Rooftop Solar												
	Wind (On-Shore)												
	Wind (Off-Shore)												
	Biomass												
	O I (ALL)												
	CT Other												
	Landfill												
	Hydro Pumped Storage												
Fuel Cell													
EE													
Interruptible Load													
Imports													
Exports													
TOTAL													
ISONETotal Capacity Factor by Type (%)	Nuclear												
	ST Coal												
	CC												
	CT Gas												
	ST Gas												
	Hydro												
	Utility-Scale Solar												
	Rooftop Solar												
	Wind (On-Shore)												
	Wind (Off-Shore)												
	Biomass												
	O I (ALL)												
	CT Other												
	Landfill												
	Hydro Pumped Storage												
Fuel Cell													
EE													
Interruptible Load													
Imports													
Exports													
TOTAL													
ISONETotal Production Cost by Type (2014 \$)	Nuclear												
	ST Coal												
	CC												
	CT Gas												
	ST Gas												
	Hydro												
	Utility-Scale Solar												
	Rooftop Solar												
	Wind (On-Shore)												
	Wind (Off-Shore)												
	Biomass												
	O I (ALL)												
	CT Other												
	Landfill												
	Hydro Pumped Storage												
Fuel Cell													
EE													
Interruptible Load													
Imports													
Exports													
TOTAL													
ISONETotal Fuel Use by Type (MMBtu)	Nuclear												
	ST Coal												
	CC												
	CT Gas												
	ST Gas												
	Hydro												
	Utility-Scale Solar												
	Rooftop Solar												
	Wind (On-Shore)												
	Wind (Off-Shore)												
	Biomass												
	O I (ALL)												
	CT Other												
	Landfill												
	Hydro Pumped Storage												
Fuel Cell													
EE													
Interruptible Load													
Imports													
Exports													
TOTAL													
ISONETotal CO2 Emissions by Type (Short Tons)	Nuclear												
	ST Coal												
	CC												
	CT Gas												
	ST Gas												
	Hydro												
	Utility-Scale Solar												
	Rooftop Solar												
	Wind (On-Shore)												
	Wind (Off-Shore)												
	Biomass												
	O I (ALL)												
	CT Other												
	Landfill												
	Hydro Pumped Storage												
Fuel Cell													
EE													
Interruptible Load													
Imports													
Exports													
TOTAL													
Total SO2 & Non Emissions (Short Tons)		ISONETotal NOx											
ISONETotal Load		ISONETotal SO2											
Generation		Total Load (MWh)											
Balance		Total Generation (MWh)											
ISONETotal Load		Difference (MWh)											
Payments (2014		On-Peak											
s)		Off-Peak											
		Total											

2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
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REDACTED

Annual Average Zonal LMP by Peak Period (2014 \$/MWh)

6

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On-Peak	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE Hub	
Off-Peak	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE Hub	
All Hours	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE Hub	

REDACTED

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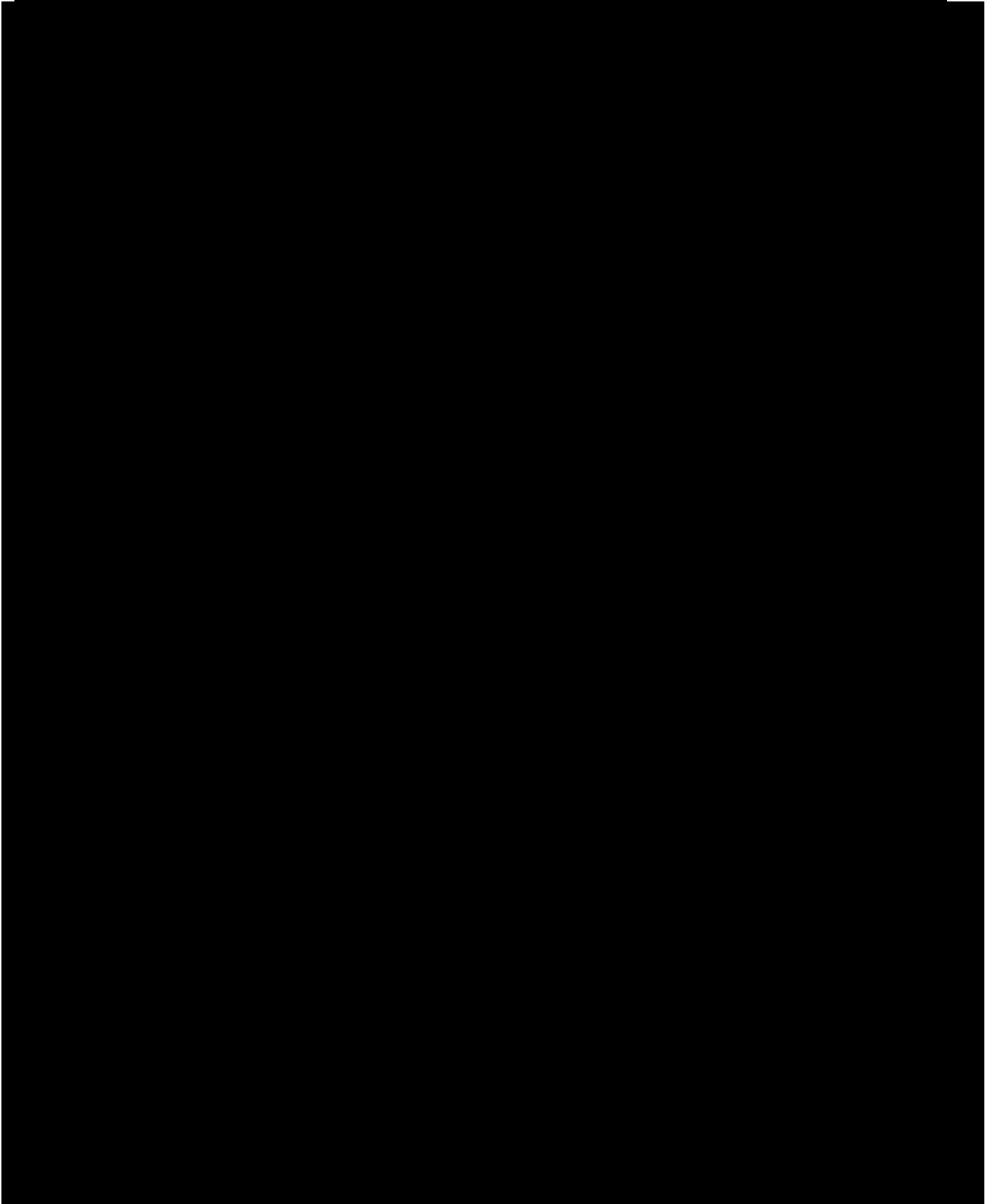
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REDACTED

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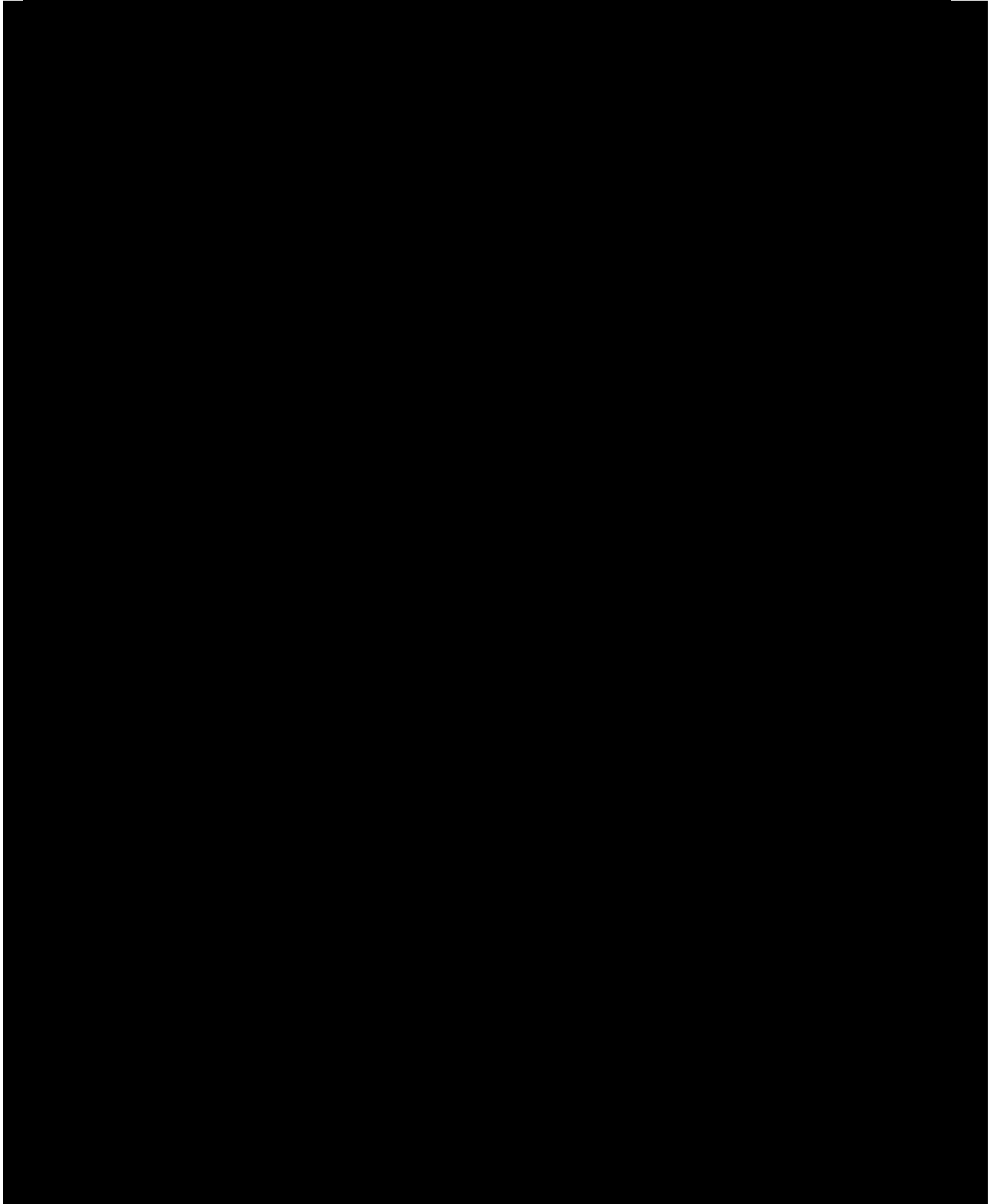
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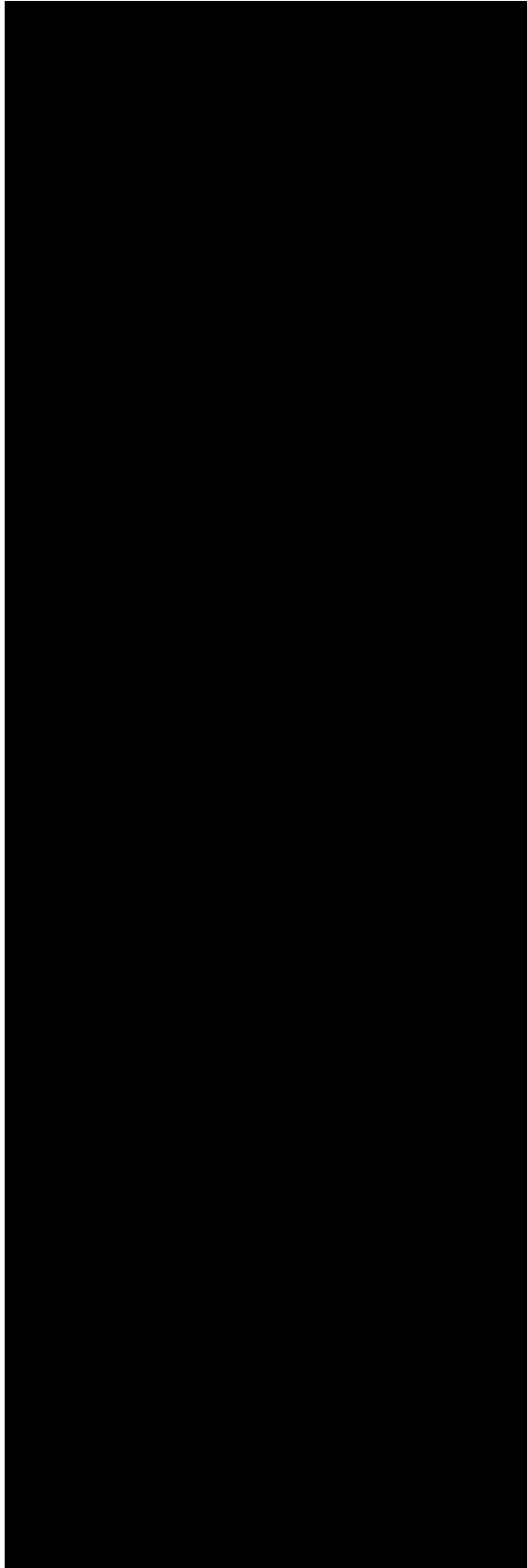


REDACTED

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REDACTED

	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Utility-Scale Solar	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Rooftop Solar	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Wind (On-Shore)	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Wind (Off-Shore)	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Biomass	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont

REDACTED

Oil (ALL)	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
CT Other	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
Other	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
Imports	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
Exports	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
TOTAL	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire

REDACTED



REDACTED



REDACTED



REDACTED

Total Annual Capacity Factor (%)

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030

REDACTED

	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
Utility-Scale Solar		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
Rooftop Solar	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
Wind (On-Shore)	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
Wind (Off-Shore)	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
Biomass	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont

REDACTED

Oil (ALL)	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
CT Other	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
Other	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
Imports	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
Exports	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
TOTAL	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont

REDACTED

2031	2032	2033	2034	2035	2036	2037	2038
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REDACTED



REDACTED



REDACTED

Total Annual Production Cost (2014 \$)

			2017	2018	2019	2020	2021	2022
Nuclear	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest						
	NH	ISNE - New Hampshire						
	VT	ISNE - Vermont						
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest						
	RI	ISNE - Rhode Island						
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western						
	ISONE TOTAL							
ST Coal	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest						
	NH	ISNE - New Hampshire						
	VT	ISNE - Vermont						
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest						
	RI	ISNE - Rhode Island						
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western						
	ISONE TOTAL							
CC	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest						
	NH	ISNE - New Hampshire						
	VT	ISNE - Vermont						
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest						
	RI	ISNE - Rhode Island						
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western						
	ISONE TOTAL							
CT Gas	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest						
	NH	ISNE - New Hampshire						
	VT	ISNE - Vermont						
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest						
	RI	ISNE - Rhode Island						
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western						
	ISONE TOTAL							
ST Gas	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest						
	NH	ISNE - New Hampshire						
	VT	ISNE - Vermont						
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest						
	RI	ISNE - Rhode Island						
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western						
	ISONE TOTAL							
Hydro	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest						
	NH	ISNE - New Hampshire						
	VT	ISNE - Vermont						
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest						

REDACTED

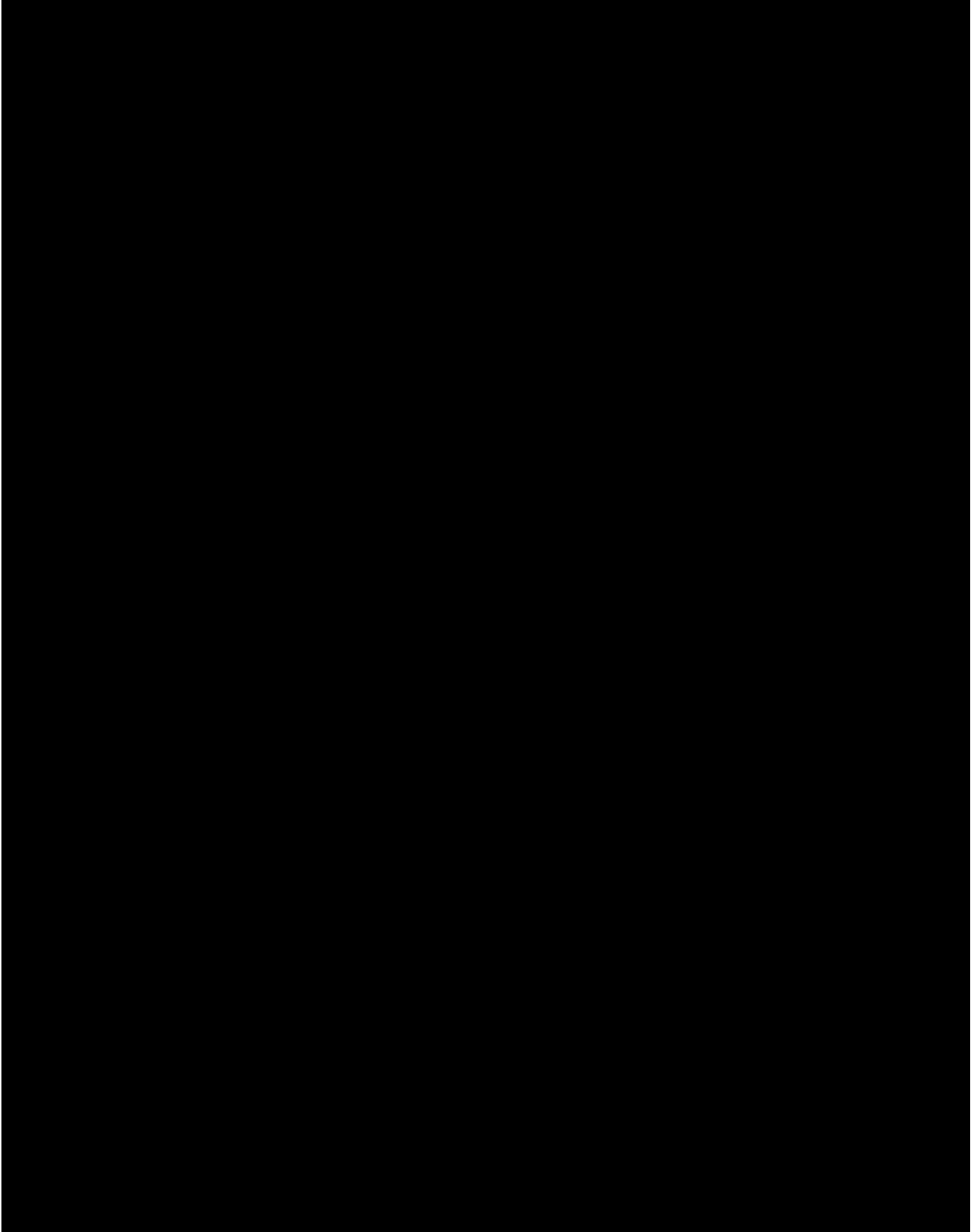
Utility-Scale Solar	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
Rooftop Solar		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Wind (On-Shore)	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Wind (Off-Shore)	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Biomass	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont

REDACTED

Oil (ALL)	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
CT Other	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Other	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Imports	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Exports	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
TOTAL	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL

REDACTED

2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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REDACTED



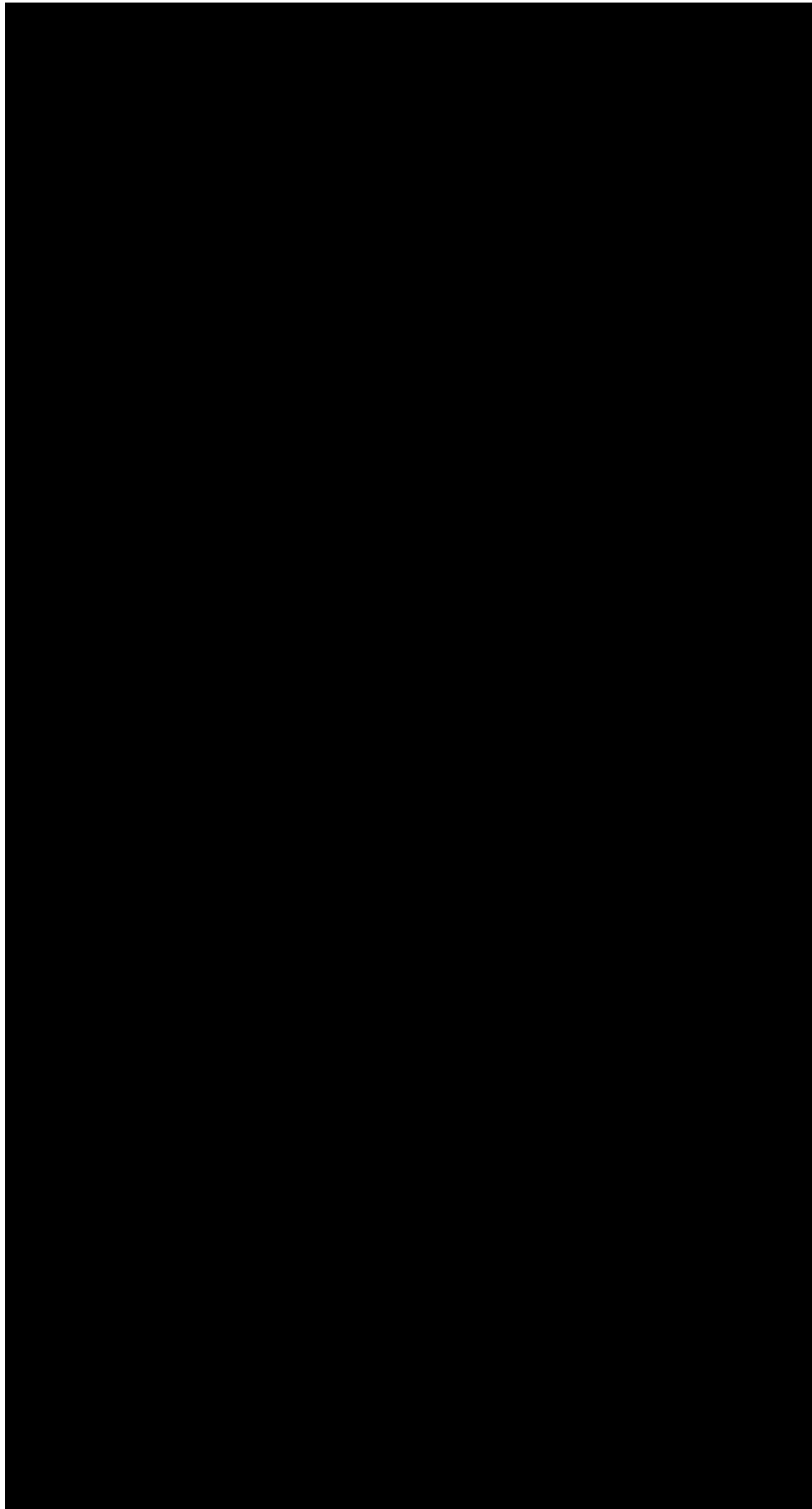
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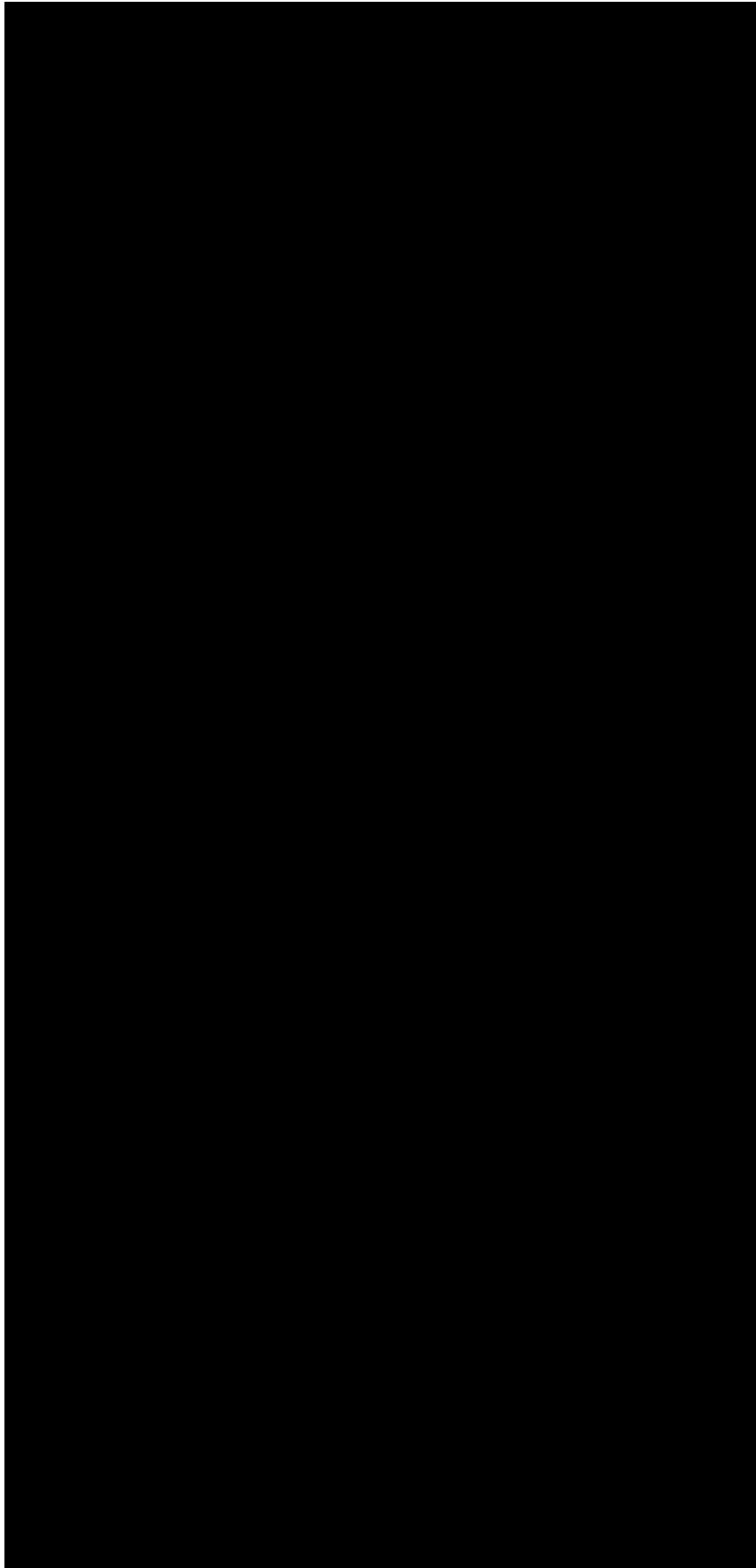
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2033	2034	2035	2036	2037	2038

REDACTED



REDACTED



REDACTED

Total Annual Fuel Usage (MMBtu)

Nuclear	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
ST Coal	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
CC	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
CT Gas	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
ST Gas	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
Hydro	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest

REDACTED

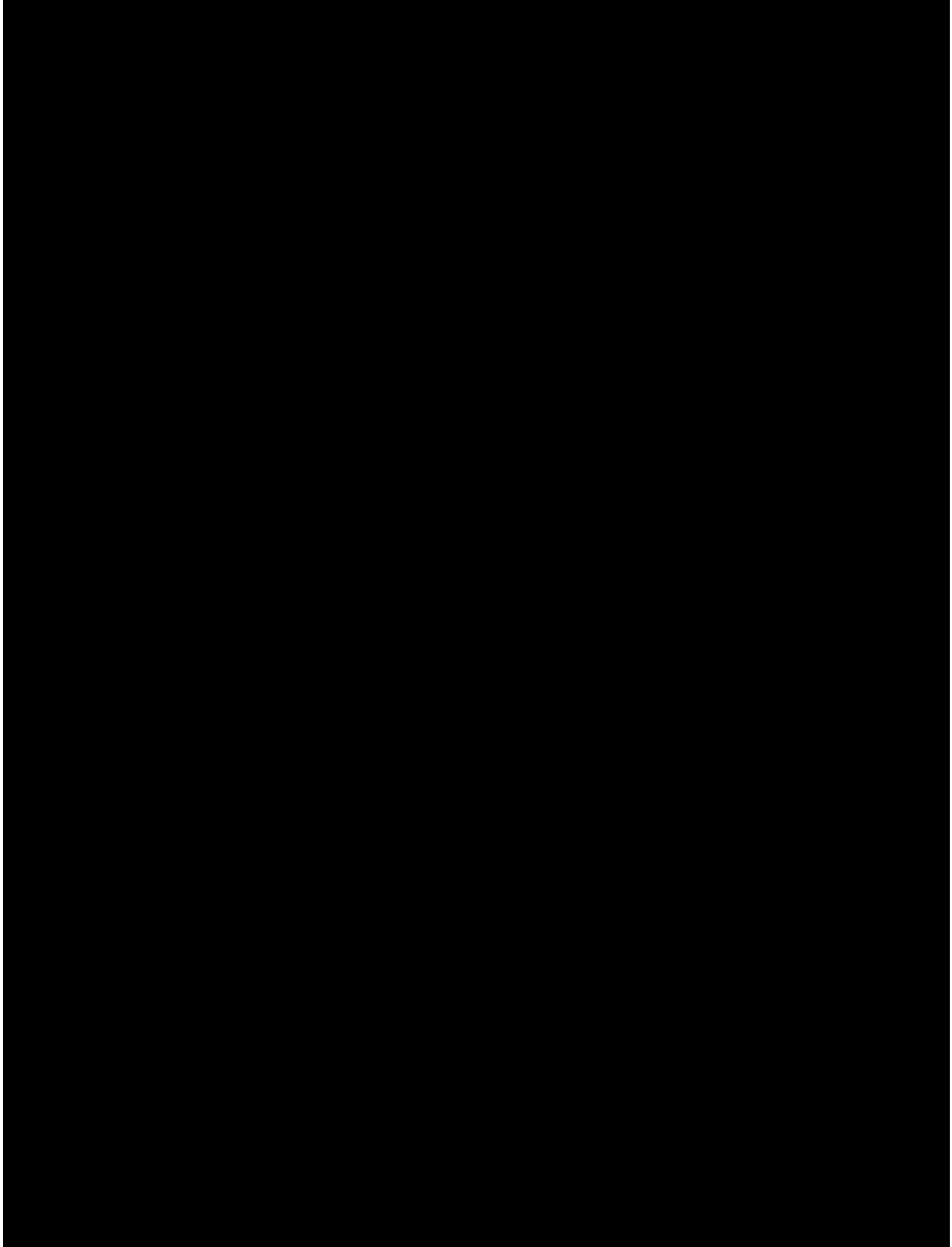
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Utility-Scale Solar		ISNE - Maine - Bangor Hydro Electric
	ME	ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
		ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Rooftop Solar		ISNE - Maine - Bangor Hydro Electric
	ME	ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
		ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Wind (On-Shore)		ISNE - Maine - Bangor Hydro Electric
	ME	ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
		ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Wind (Off-Shore)		ISNE - Maine - Bangor Hydro Electric
	ME	ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
		ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Biomass		ISNE - Maine - Bangor Hydro Electric
	ME	ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
		ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
		ISNE - Maine - Bangor Hydro Electric
	ME	ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont

REDACTED

Oil (ALL)	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
CT Other	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
Other	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
Imports	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
Exports	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
TOTAL	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont

REDACTED

2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
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REDACTED



REDACTED



REDACTED

Total Annual CO2 Emissions (Short Tons)

Nuclear	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
	MA	ISNE - Boston ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
ST Coal	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
CC	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
CT Gas	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
ST Gas	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
	ISONE TOTAL	
Hydro	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest

REDACTED

	RI	ISNE - Rhode Island
		ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Utility-Scale Solar	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Rooftop Solar	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Wind (On-Shore)	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Wind (Off-Shore)	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
Biomass	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont
	CT	ISNE - Connecticut - Central-Northeast ISNE - Connecticut - Norwalk ISNE - Connecticut - Southwest
	RI	ISNE - Rhode Island ISNE - Boston
	MA	ISNE - Massachusetts - Central-Northeast ISNE - Massachusetts - Southeast ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric ISNE - Maine - Central ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
	VT	ISNE - Vermont

REDACTED

Oil (ALL)	CT	ISNE - Connecticut - Central-Northeast
		ISNE - Connecticut - Norwalk
		ISNE - Connecticut - Southwest
	MA	ISNE - Rhode Island
		ISNE - Boston
		ISNE - Massachusetts - Central-Northeast
CT Other	ME	ISNE - Massachusetts - Southeast
		ISNE - Massachusetts - Western
		ISONE TOTAL
	NH	ISNE - Maine - Bangor Hydro Electric
		ISNE - Maine - Central
		ISNE - Maine - Southwest
	VT	ISNE - New Hampshire
		ISNE - Vermont
		ISNE - Connecticut - Central-Northeast
	CT	ISNE - Connecticut - Norwalk
		ISNE - Connecticut - Southwest
		ISNE - Rhode Island
Other	RI	ISNE - Boston
		ISNE - Massachusetts - Central-Northeast
		ISNE - Massachusetts - Southeast
	MA	ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric
		ISNE - Maine - Central
		ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
		ISNE - Vermont
		ISNE - Connecticut - Central-Northeast
	CT	ISNE - Connecticut - Norwalk
ISNE - Connecticut - Southwest		
ISNE - Rhode Island		
Imports	RI	ISNE - Boston
		ISNE - Massachusetts - Central-Northeast
		ISNE - Massachusetts - Southeast
	MA	ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric
		ISNE - Maine - Central
		ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
		ISNE - Vermont
		ISNE - Connecticut - Central-Northeast
	CT	ISNE - Connecticut - Norwalk
ISNE - Connecticut - Southwest		
ISNE - Rhode Island		
Exports	RI	ISNE - Boston
		ISNE - Massachusetts - Central-Northeast
		ISNE - Massachusetts - Southeast
	MA	ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric
		ISNE - Maine - Central
		ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
		ISNE - Vermont
		ISNE - Connecticut - Central-Northeast
	CT	ISNE - Connecticut - Norwalk
ISNE - Connecticut - Southwest		
ISNE - Rhode Island		
TOTAL	RI	ISNE - Boston
		ISNE - Massachusetts - Central-Northeast
		ISNE - Massachusetts - Southeast
	MA	ISNE - Massachusetts - Western
		ISONE TOTAL
	ME	ISNE - Maine - Bangor Hydro Electric
		ISNE - Maine - Central
		ISNE - Maine - Southwest
	NH	ISNE - New Hampshire
		ISNE - Vermont
		ISNE - Connecticut - Central-Northeast
	CT	ISNE - Connecticut - Norwalk
ISNE - Connecticut - Southwest		
ISNE - Rhode Island		

2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
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REDACTED

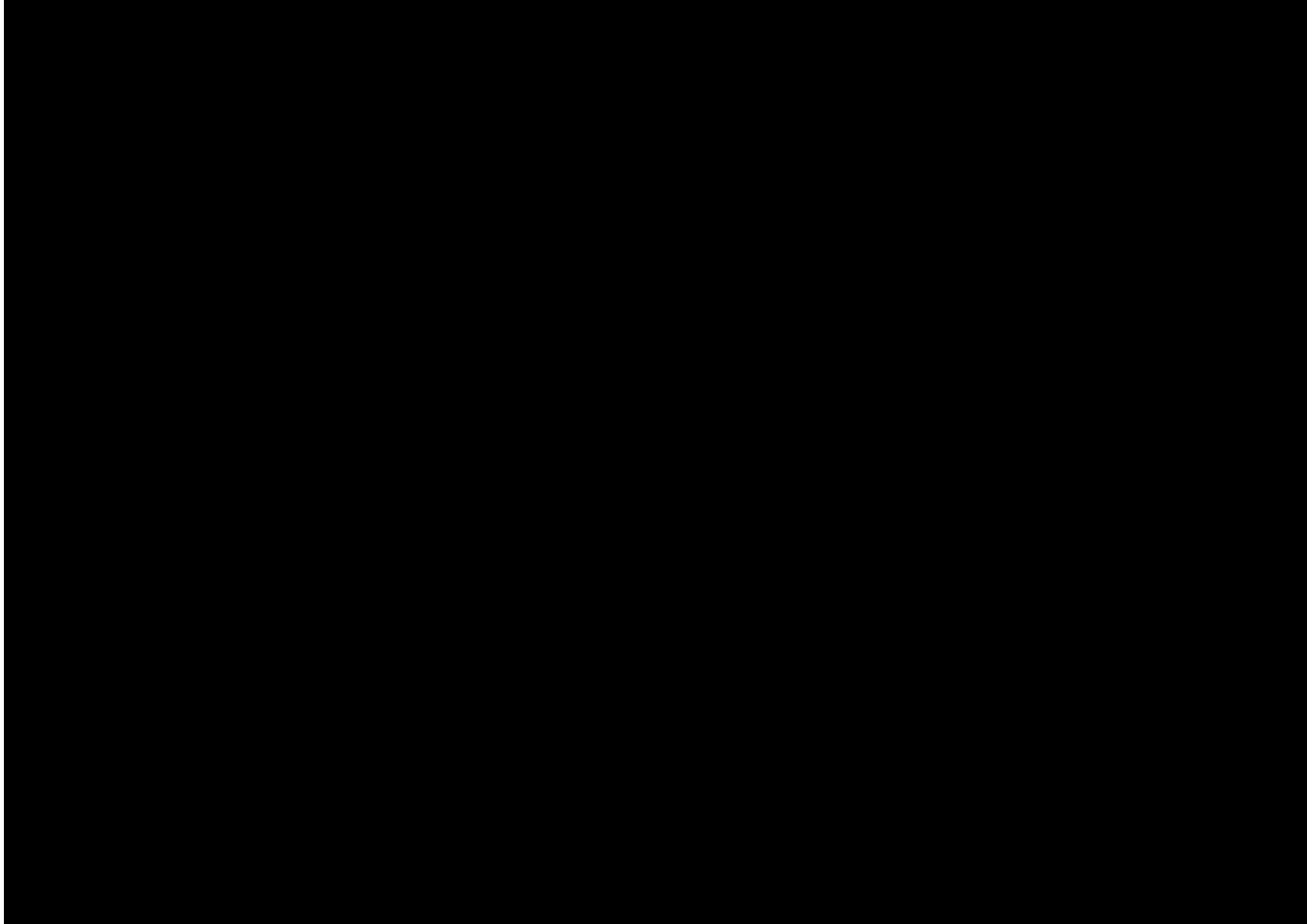


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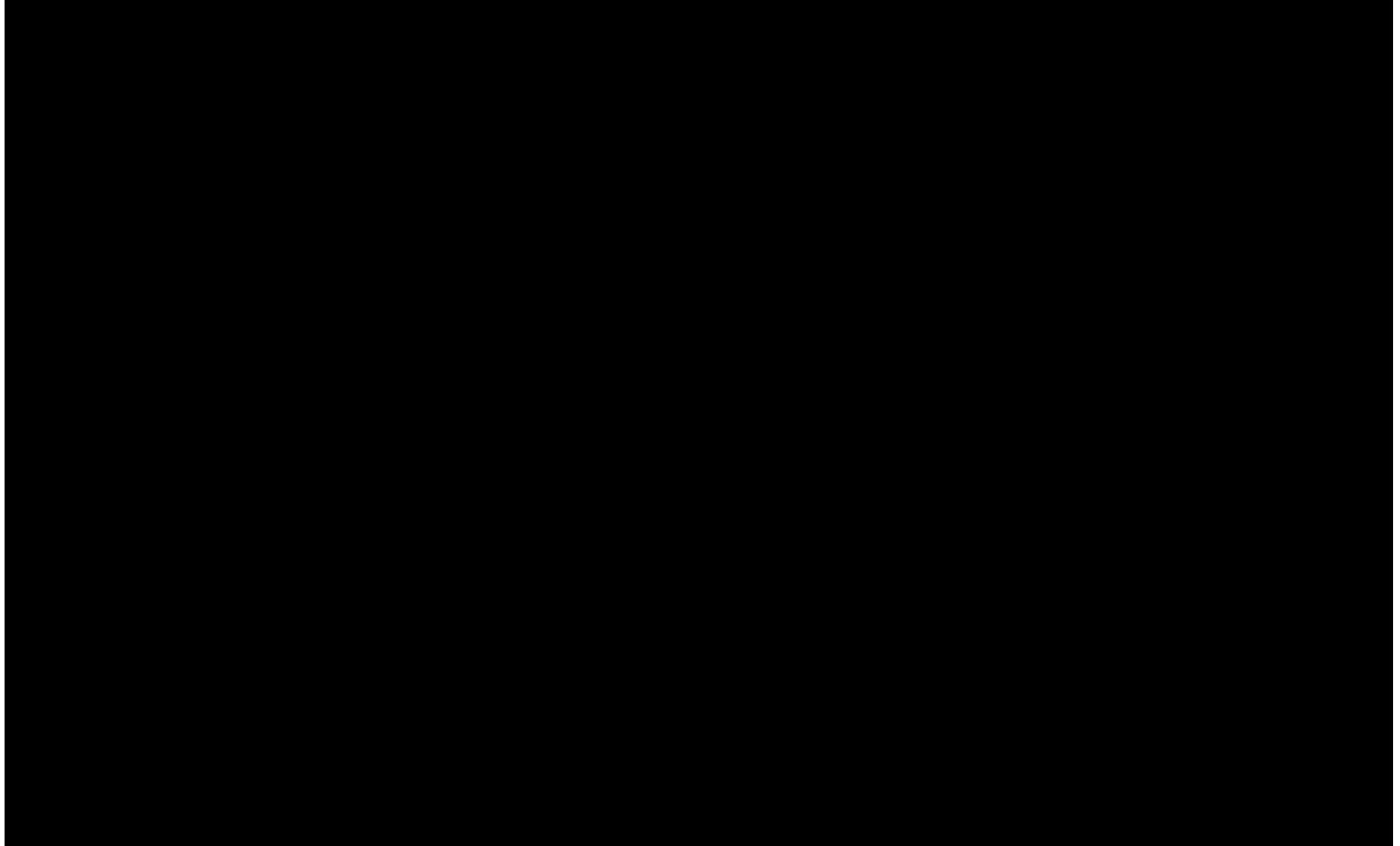
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2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
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REDACTED

2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
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REDACTED

Monthly Market Heat Rates (Real 2014 \$)

	LMPs (\$/MWh)			Gas Price - Algonquin, City- Gates (\$/MMBtu)		Market Heat Rates (MMBtu/MWh)		
	All Hours	On Peak	Off Peak			All Hours	On Peak	Off Peak
Jan-17								
Feb-17								
Mar-17								
Apr-17								
May-17								
Jun-17								
Jul-17								
Aug-17								
Sep-17								
Oct-17								
Nov-17								
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Jan-24								
Feb-24								

REDACTED

Mar-24	
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Aug-31	

REDACTED

Sep-31	
Oct-31	
Nov-31	
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