

New Jersey OREC Application Form for Qualified Offshore Wind Projects

Electric Generation Facility	Atlantic Shores Offshore Wind
BOEM Lease Area	BOEM Renewable Energy Lease Area OCS-A 0499
Applicant	Atlantic Shores Offshore Wind Project 1, LLC
Applicant Website	www.atlanticshoreswind.com
Project Name	[REDACTED]
Primary Contact	
Name	[REDACTED]
Phone 1	[REDACTED]
Phone 2	n/a
E-Mail	[REDACTED]
Address	Brooklyn Navy Yard, Dock 72 Brooklyn, NY 11205
Secondary Contact	
Name	[REDACTED]
Phone 1	[REDACTED]
Phone 2	n/a
E-Mail	[REDACTED]

Capacity and Phasing

Number of proposed capacity installation phases	[REDACTED]
Is storage included in the Project?	[REDACTED]
Capacity Installation Phase	[REDACTED]
Phase CO Date	[REDACTED]
Phase WTG Nameplate Capacity (MW)	[REDACTED]
Phase Storage Nameplate Capacity (MW)	[REDACTED]
Phase Energy Storage Capacity (MWh)	[REDACTED]
Total WTG Nameplate Capacity (MW)	[REDACTED]
Total Storage Nameplate Capacity (MW)	[REDACTED]
Total Energy Storage Capacity (MWh)	[REDACTED]
First Day of Evaluation Period	[REDACTED]
Last Day of Evaluation Period	[REDACTED]

Performance

Expected Annual Generation (MWh)	[REDACTED]	(calculated based on first full calendar year that all phases are operating)
Expected Capacity Factor	[REDACTED]	(calculated based on first full calendar year that all phases are operating)
Expected Annual Delivered Energy	[REDACTED]	(calculated based on first full calendar year that all phases are operating)
Expected Capacity Factor (net of losses)	[REDACTED]	(calculated based on first full calendar year that all phases are operating)
Annual OREC Allowance (MWh)	[REDACTED]	
Expected Total OREC Production	[REDACTED]	(calculated based on total delivered energy over the contract term)

New Jersey OREC Application Form for Qualified Offshore Wind Projects

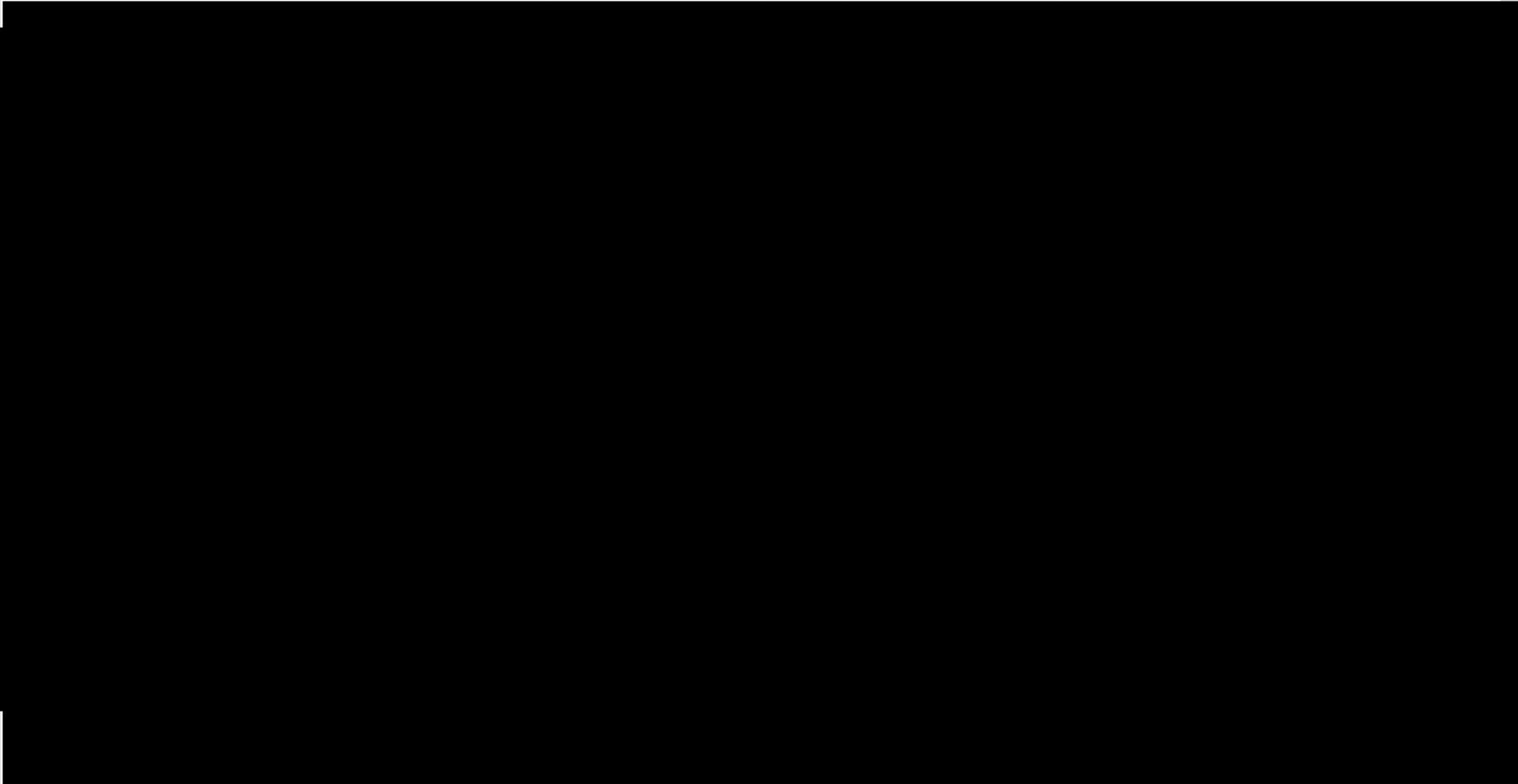
Electric Generation Facility Atlantic Shores Offshore Wind
Applicant Atlantic Shores Offshore Wind Project 1, LLC
Project Name [Redacted]

Values entered on this worksheet represent only generation and deliveries from generation. Storage operations should not be included.

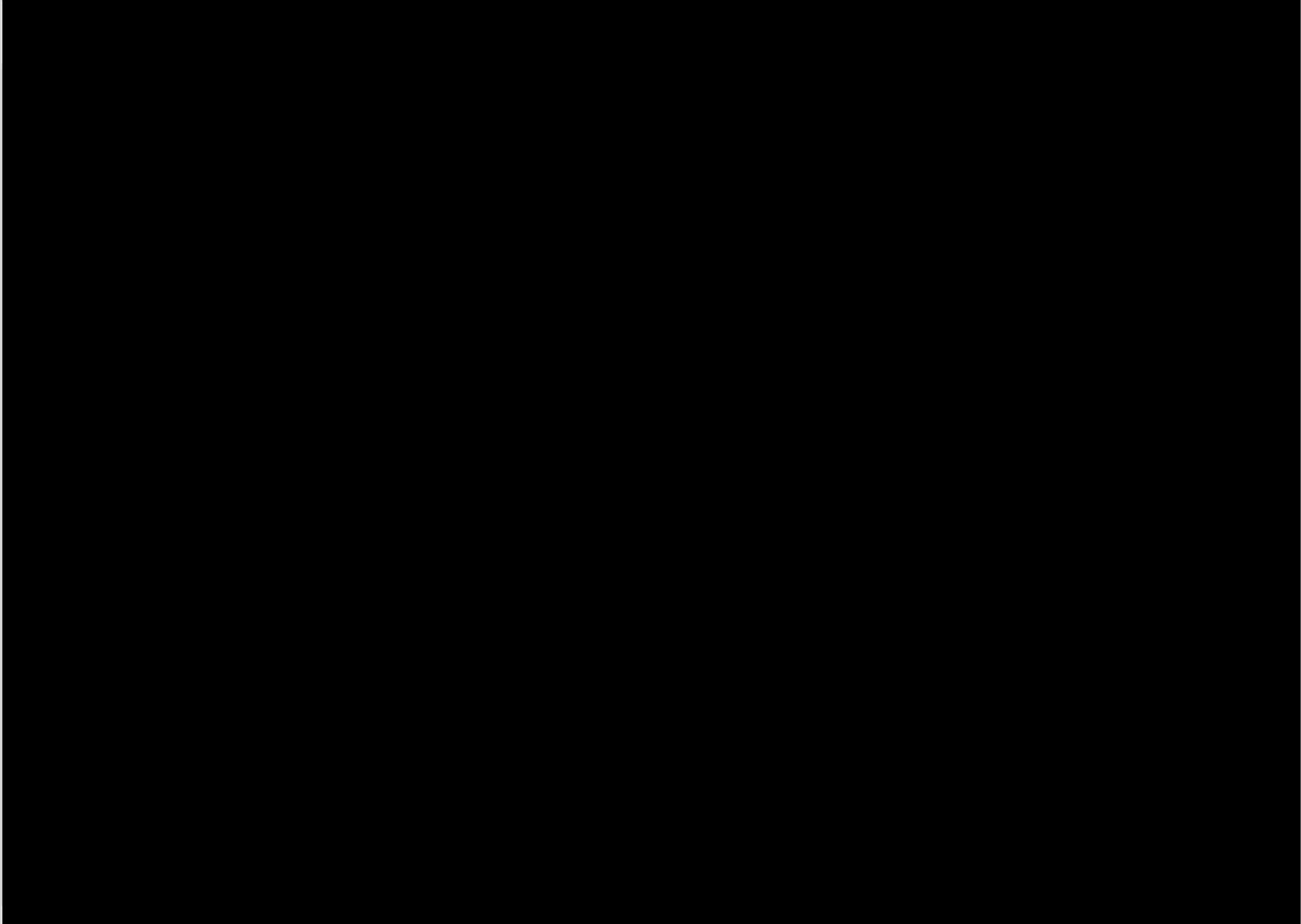
12x24 Profile of Expected Generation as a Fraction of Installed Capacity by Month and Hour of Day

Enter values representative of the first year with full installed capacity.

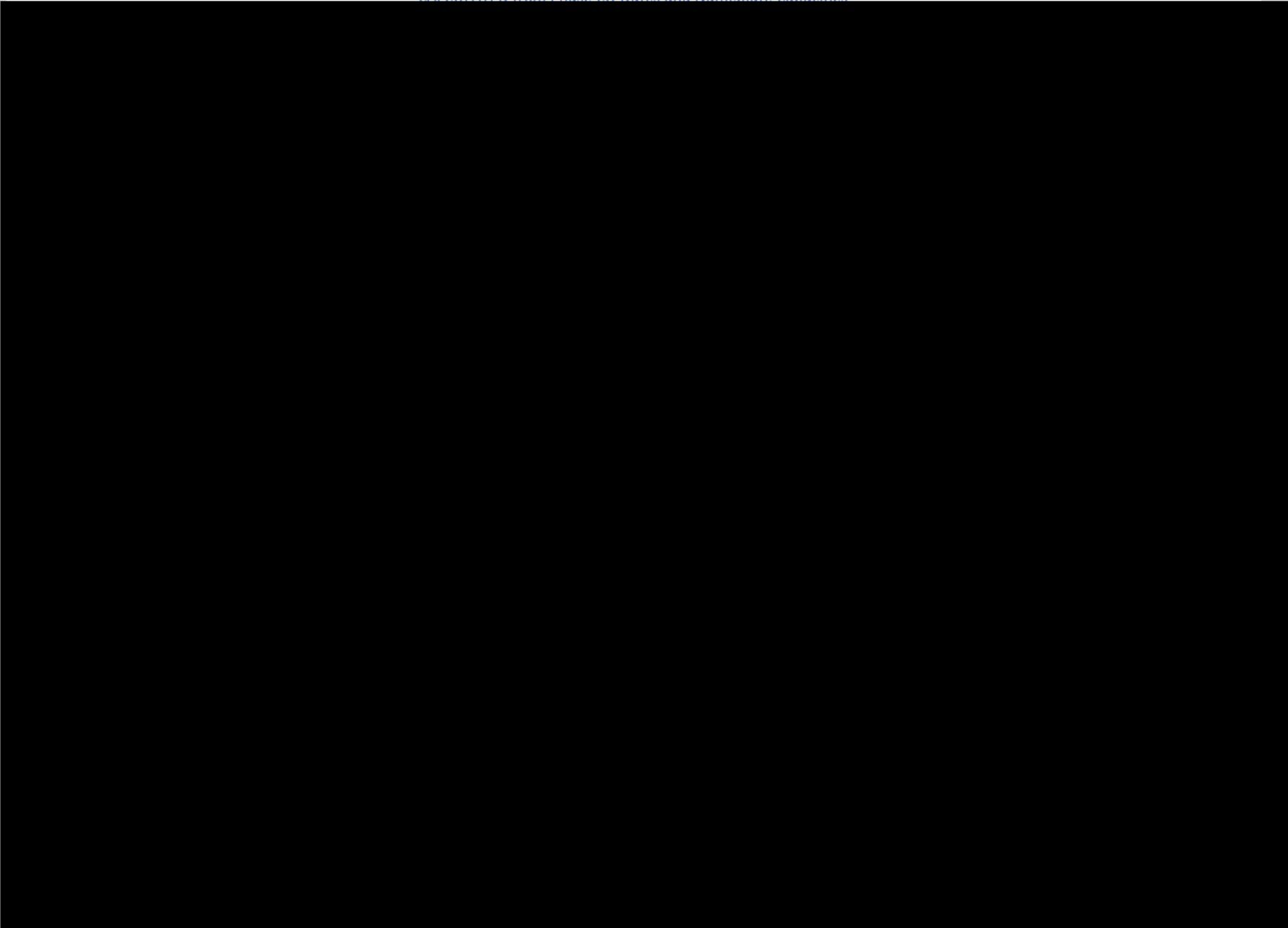
Enter values manually or PASTE AS VALUES only. Do not paste in equations or cell formats.



Delivered Energy as a Fraction of Expected Generation by Month and Calendar Year
Accounting for scheduled maintenance, losses, and degradation
Enter values manually or PASTE AS VALUES only. Do not paste in equations or cell formats.



Installed Capacity by Month and Calendar Year (MW)
CALCULATED from Phase CO Dates and Nameplate Capacities

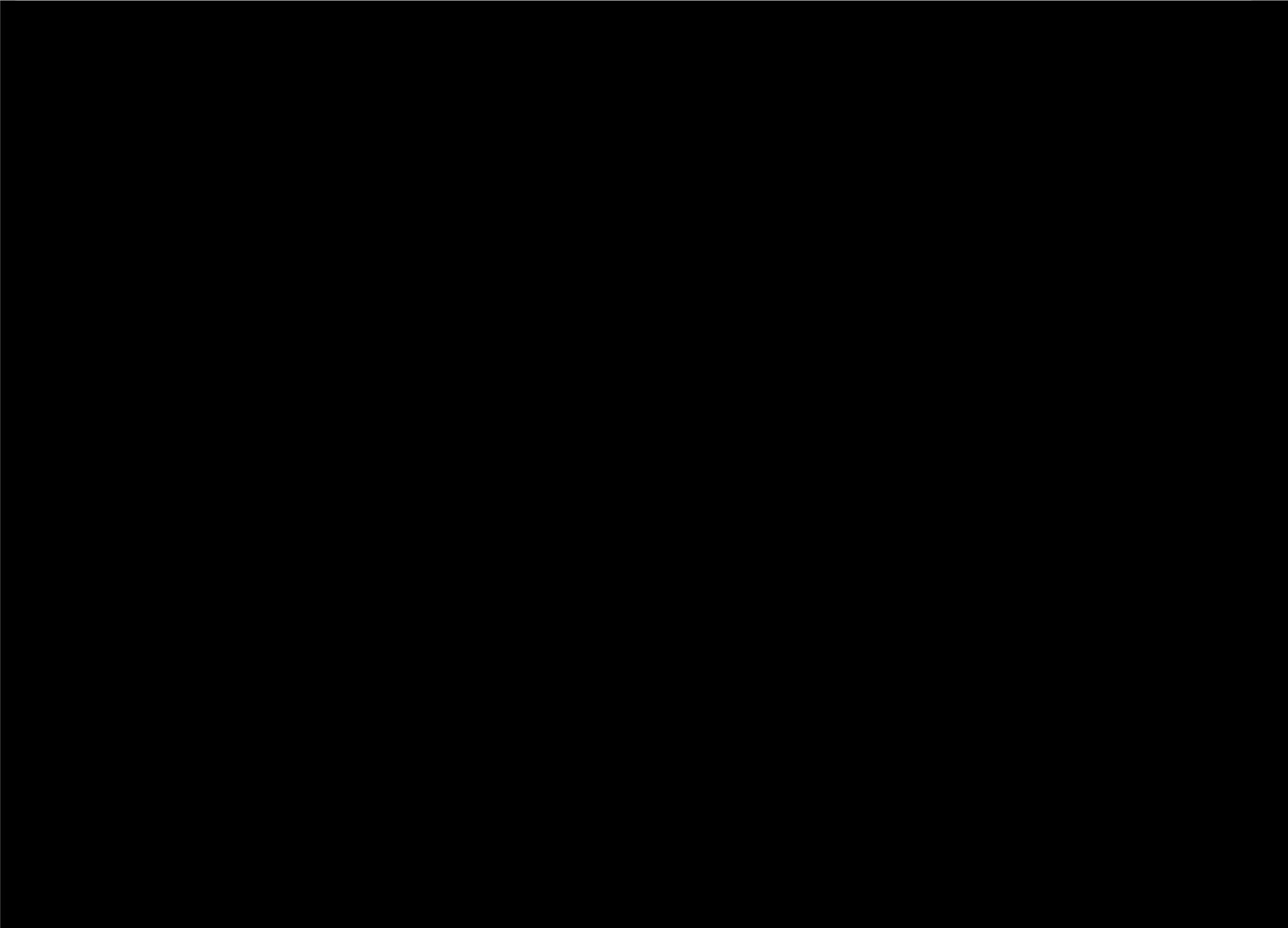


Expected Generation by Month and Calendar Year (MWh)
CALCULATED from Expected Generation Profile and Installed Capacity



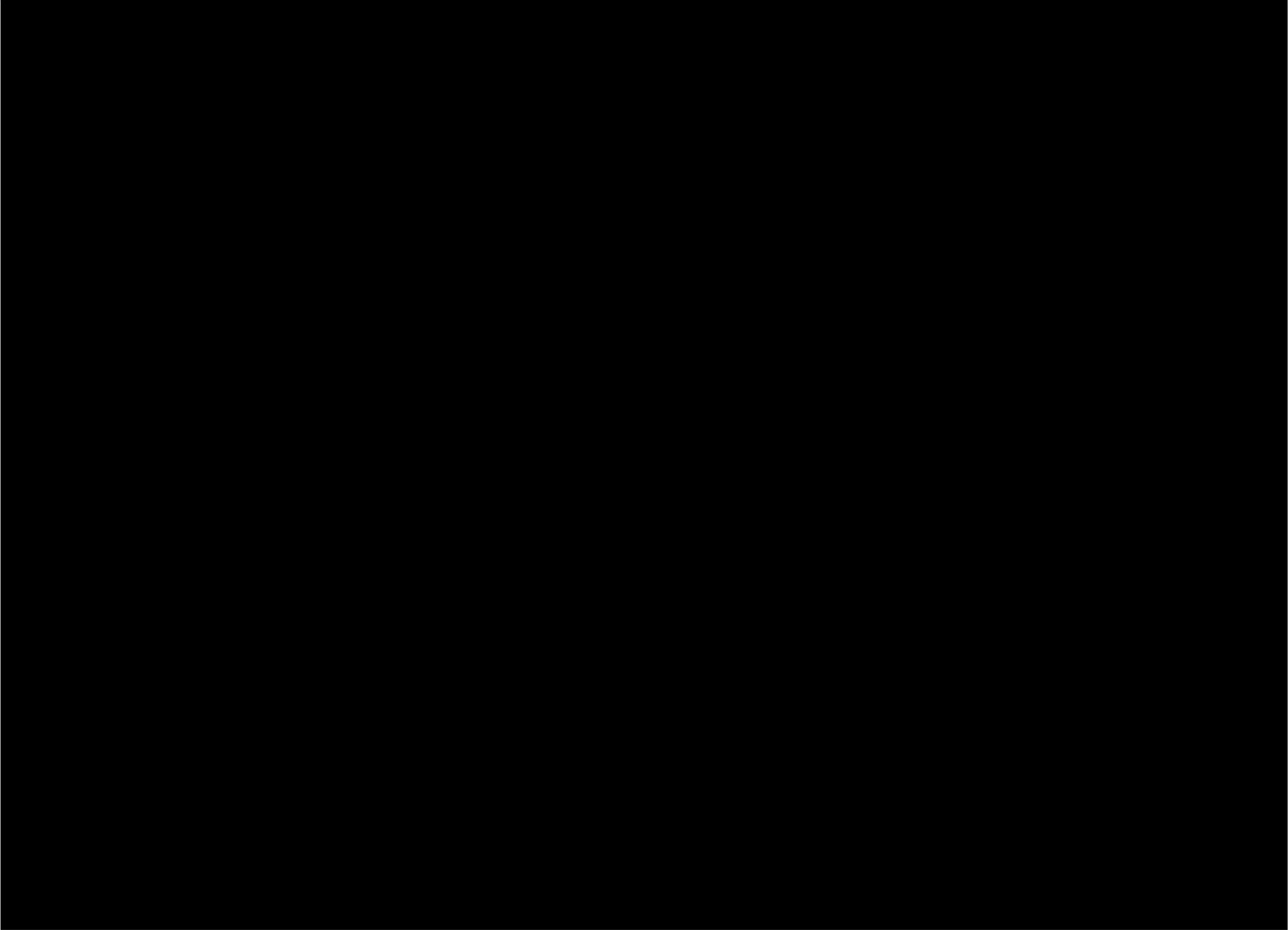
Expected Delivered Energy by Month and Calendar Year (MWh)

CALCULATED from Expected Generation and Delivered Energy as a Fraction of Expected Generation



Expected Delivered Energy by Month and Energy Year (MWh)

CALCULATED from Expected Generation and Delivered Energy as a Fraction of Expected Generation

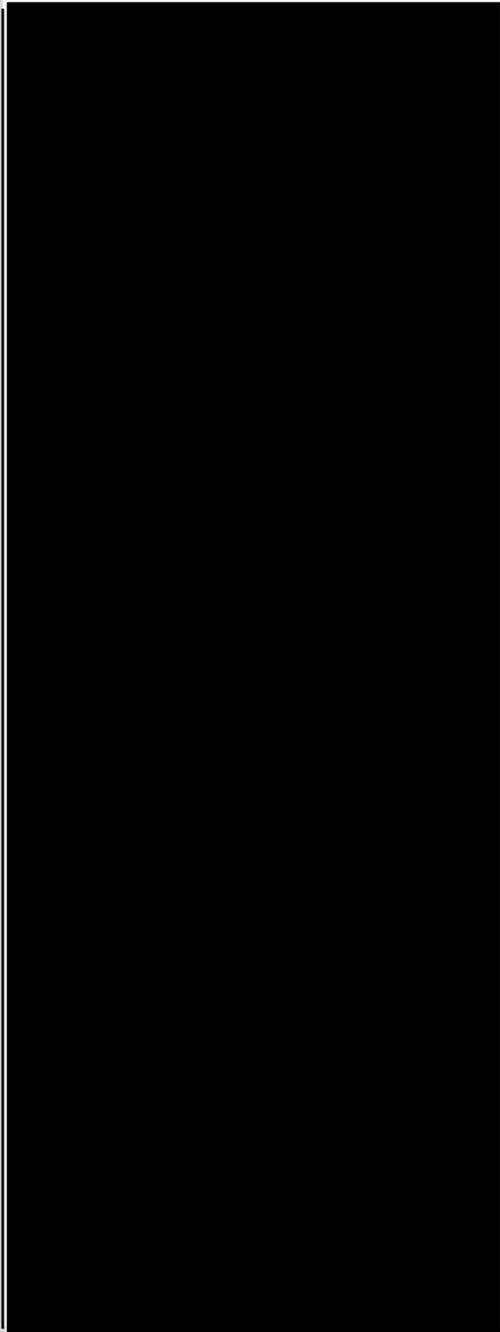


New Jersey OREC Application Form for Qualified Offshore Wind Projects

Electric Generation Facility Atlantic Shores Offshore Wind
Applicant Atlantic Shores Offshore Wind Project 1, LLC
Project Name [REDACTED]

(if storage is not offered, data entry cells will be grayed out)
Information entered on this worksheet must be inclusive of all capacity installation phases.

Total Storage Nameplate Capacity (MW) [REDACTED]
Total Energy Storage Capacity (MWh) [REDACTED]
Maximum Discharge Rate (MW) [REDACTED]
Maximum Charge Rate (MW) [REDACTED]
Maximum Generation Duration at Full Output (hours) [REDACTED]



New Jersey OREC Application Form for Qualified Offshore Wind Projects

Electric Generation Facility
Applicant
Project Name

Atlantic Shores Offshore Wind
Atlantic Shores Offshore Wind Project 1, LLC

[Redacted]

First Energy Year for evaluation purposes
First Energy Year to generate price string
First Energy Year All-In OREC Purchase Price (\$/OREC)
Escalation Rate

[Redacted]

[Redacted]

Transmission System Upgrade Cost Sharing Parameters

Tier 1 Cost Limit (\$)
Tier 2 Cost Limit (\$)
Tier 2 Seller Share
Tier 3 Cost Limit (\$)
Tier 3 Seller Share

[Redacted]

Required Rate of Return

P50 Estimate of Required Project TSUC (\$)
P90 Estimate of Required Project TSUC (\$)

Portion of First Energy Year All-In OREC
Purchase Price that represents Seller's Share of
TSUC (\$/OREC)

New Jersey OREC Application Form for Qualified Offshore Wind Projects

Electric Generation Facility Atlantic Shores Offshore Wind *Please fill in all applicable cells. If a cell is not applicable, enter a zero or leave it blank.*

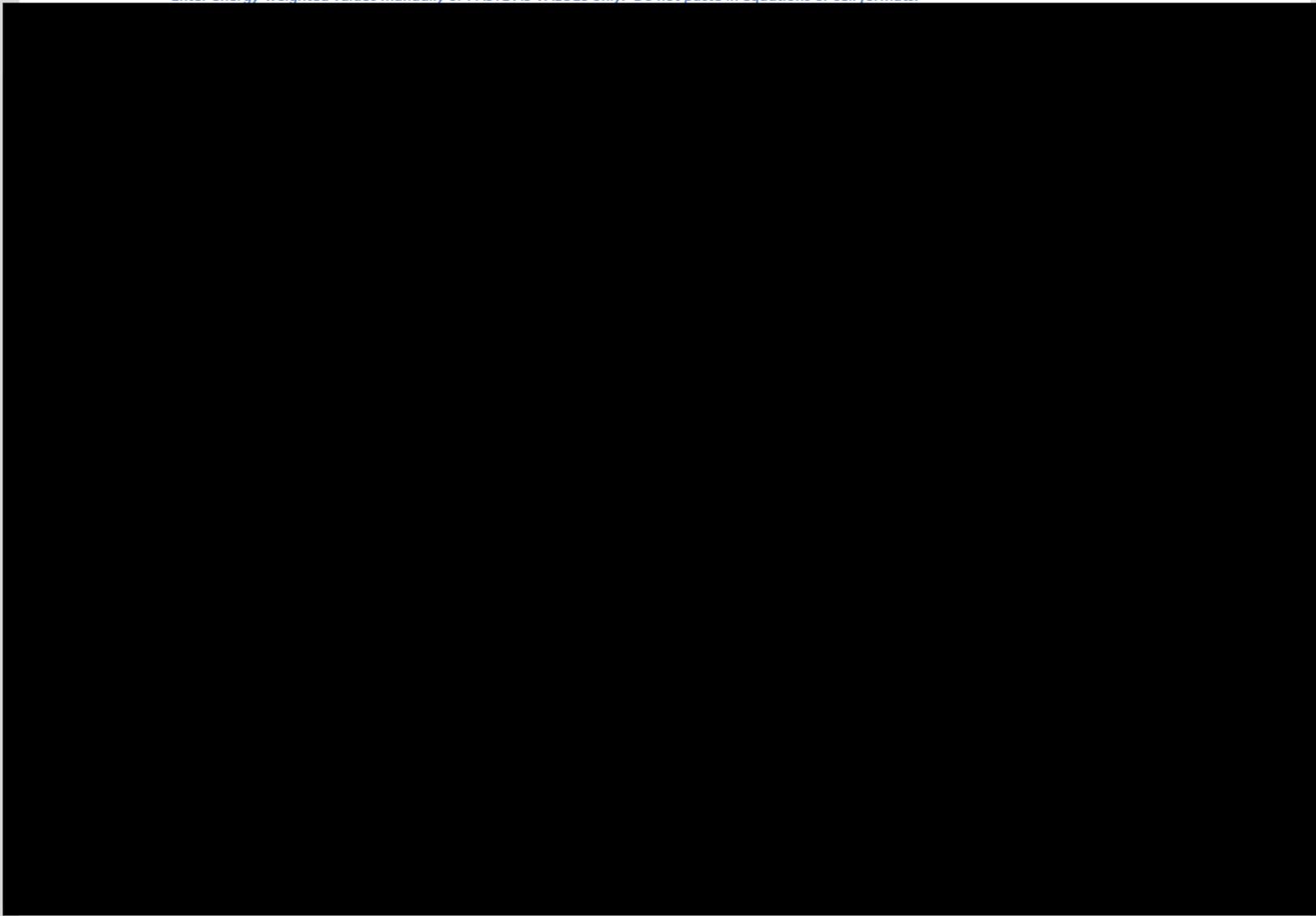
Applicant Atlantic Shores Offshore Wind Project 1, LLC

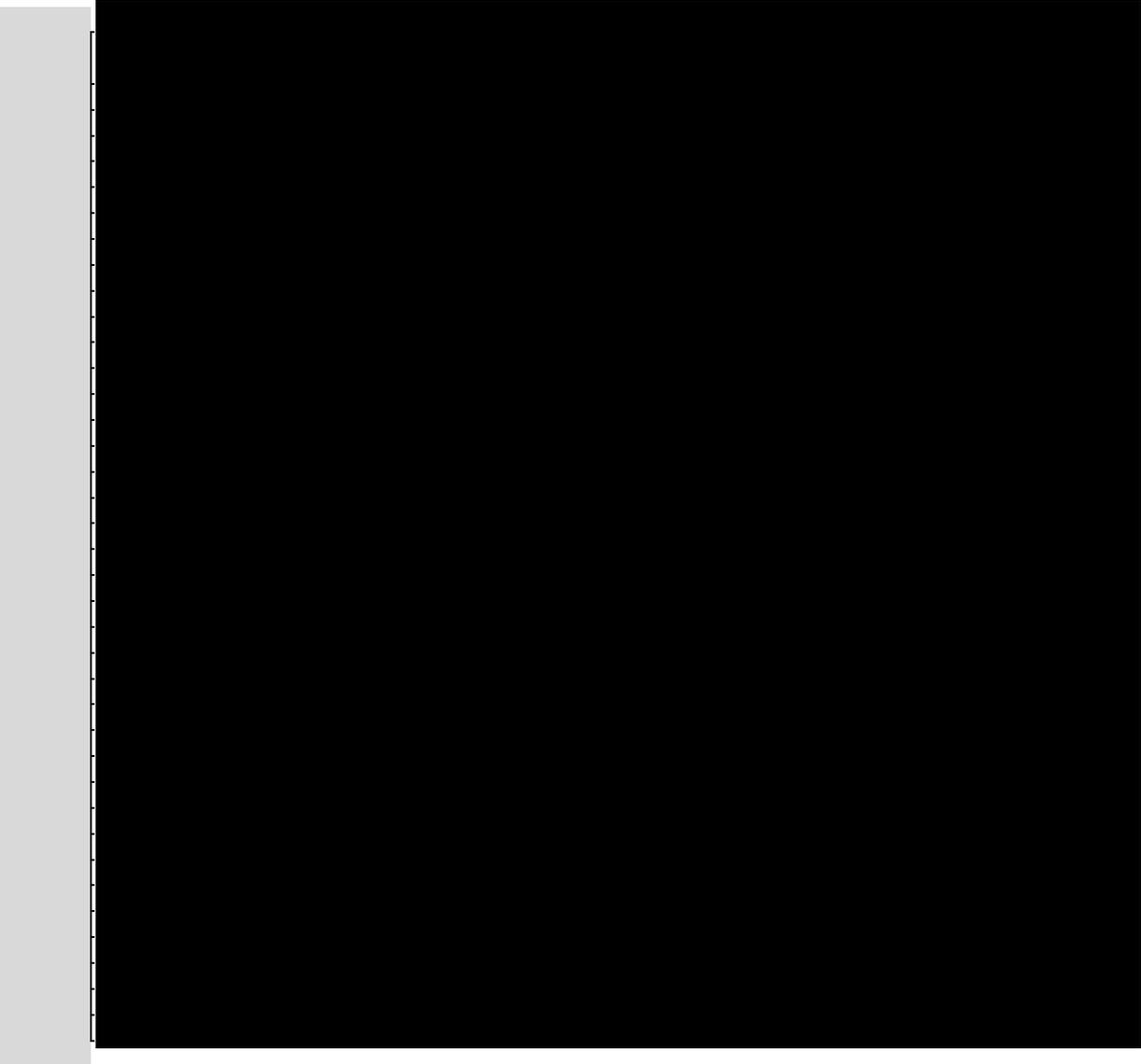
Project Name [Redacted]

Interconnection Zone [Redacted]

Forecast of Energy Prices (\$/MWh)

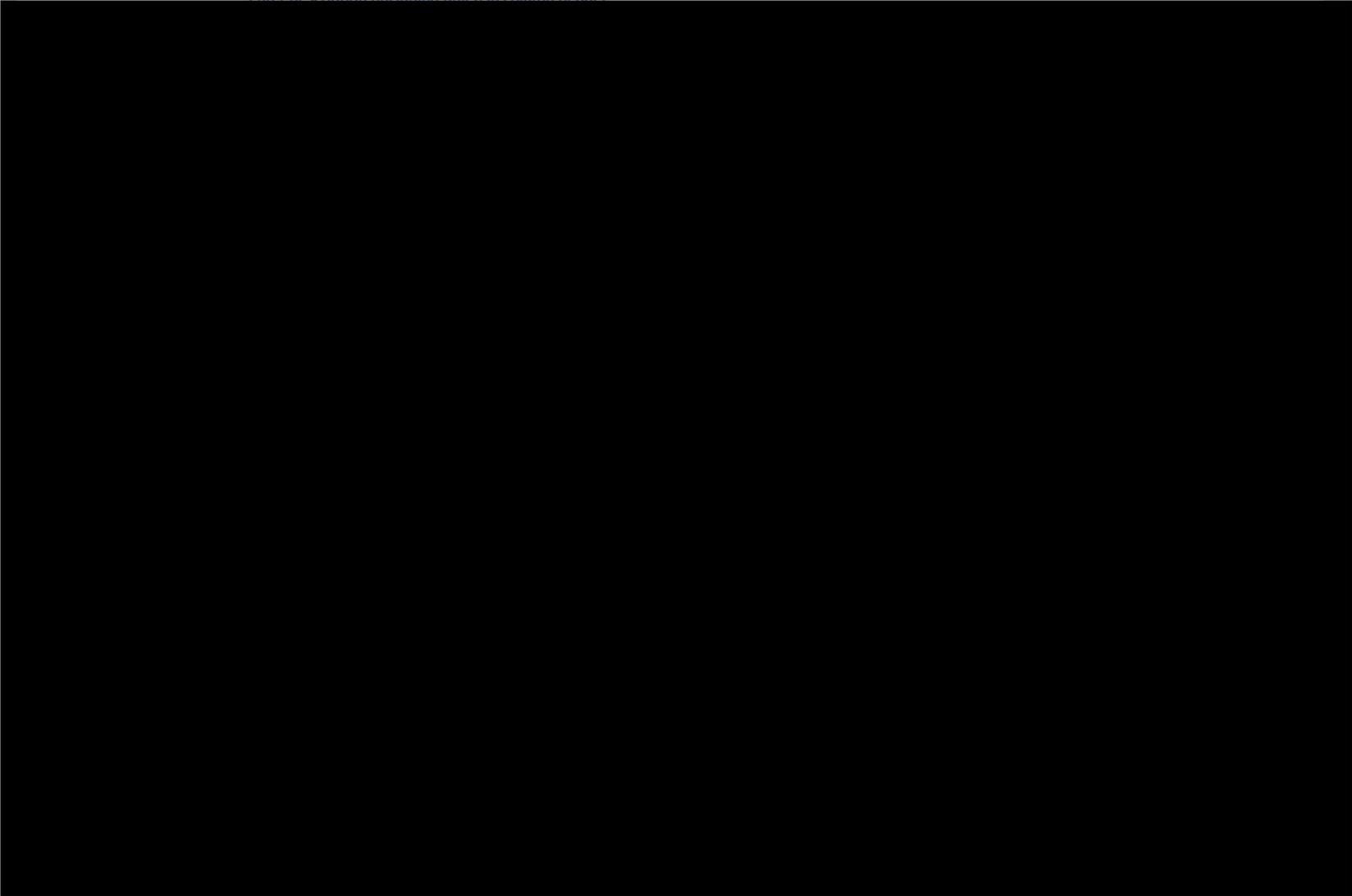
Enter energy-weighted values manually or PASTE AS VALUES only. Do not paste in equations or cell formats.





Miscellaneous Other Revenue Streams

Enter description (including units) in column header



New Jersey OREC Application Form for Qualified Offshore Wind Projects

Electric Generation Facility
Applicant
Project Name

Atlantic Shores Offshore Wind
Atlantic Shores Offshore Wind Project 1, LLC

Please fill in all applicable cells. If a cell is not applicable, enter a zero or leave it blank.

Annual Direct Emissions by Phase (short tons/year)

Avoided Emissions (short tons/year)

[Redacted content]

New Jersey OREC Application Form for Qualified Offshore Wind Projects

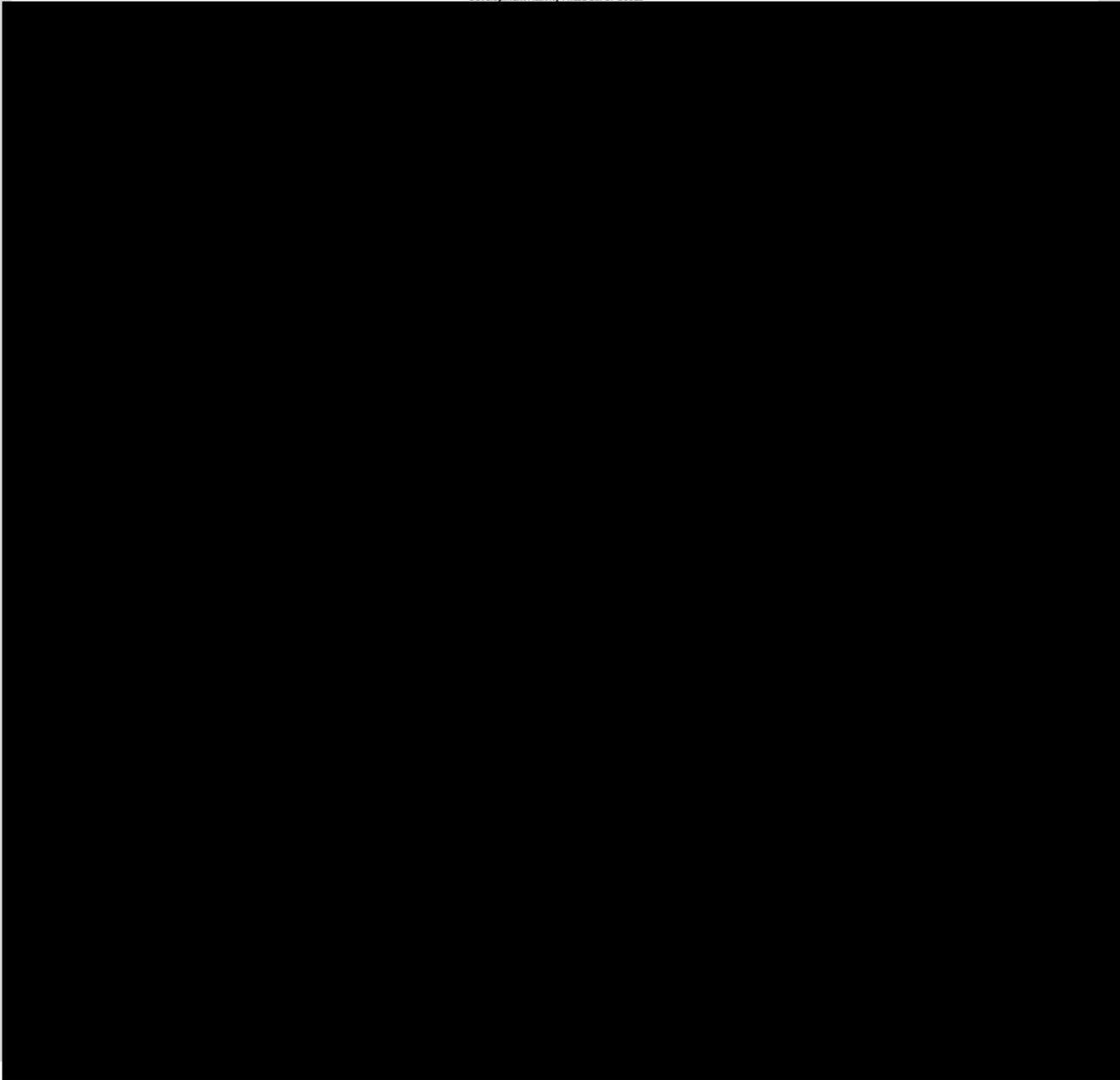
Electric Generation Facility
Applicant
Project Name

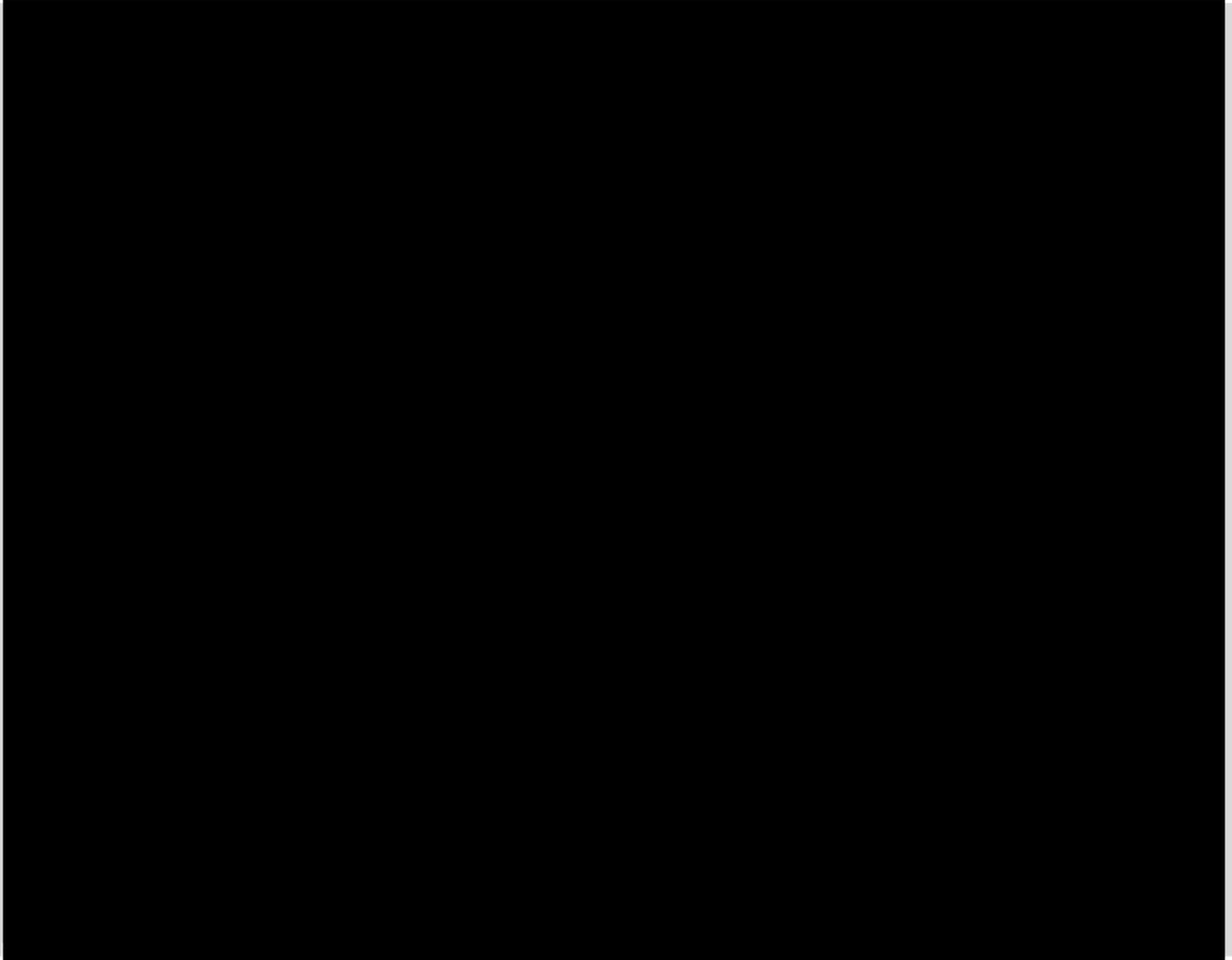
Atlantic Shores Offshore Wind
Atlantic Shores Offshore Wind Project 1 LLC



*Enter the first year of each phase in Column 1 of the header row
Enter real 2020 \$ (in millions) for all monetary values.
Sub component items may be repeated for the amount assigned to different NAICS industries.
Labor Time and Labor Cost if either or both provided will override the BPU model's default input-output parameters.
The Operation Stage bill-of-goods for the last year with values will be extrapolated until decommissioning begins.
More rows if needed may be added in each stage's bill-of-goods items.*

Development Activity Phase Bill-of-Goods





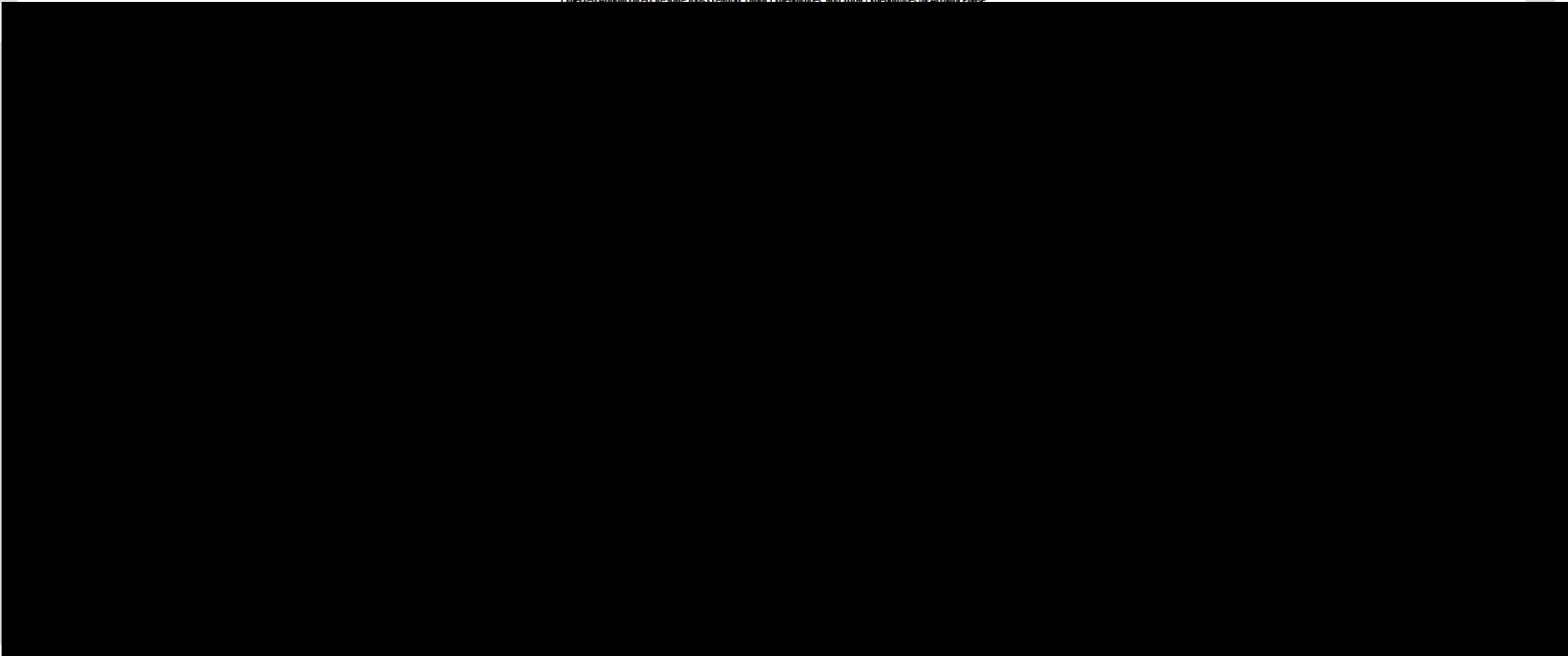
New Jersey OREC Application Form for Qualified Offshore Wind Projects

Electric Generation Facility
Applicant
Project Name

Atlantic Shores Offshore Wind
Atlantic Shores Offshore Wind Project 1 LLC
[Redacted]

Please fill in all applicable calls. If a call is not applicable enter a zero or leave it blank.
Enter real 2020 \$ (in millions) for all monetary values.

Expected Annual Direct In-State Jobs Creation, Labor Expenditures, and Total Expenditures by Activity Phase



Expected Annual Total Indirect and Induced In-State Economic Effects

