



**New York State Department of Environmental Conservation**  
**Division of Water, Bureau of Water Resources Management, 625 Broadway, Albany, NY 12233-3508**

## Water Withdrawal Reporting Form

2011 Water Withdrawal Information Due By February 1st, 2012

**Annual \$50 fee (if applicable) submitted: Yes ☐ or N/A ☒**

Prior to filling out this form please read the instructions on page 4

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Facility Name: AES Cayuga LLC		Facility Street Address: 228 Cayuga Drive		Reporting year: 2011	
City: Lansing		Zip: 14882	Town: Lansing		County: Tompkins
Contact Name: Jeff Lamphere		Email: jeff.lamphere@aes.com		Contact Telephone: (607) 533-7913	
Source Name: Cayuga Lake	Source Type: L	Well Depth:	Max Rate: 243.36	Units: MGD	<b>Water Withdrawal Category</b> <b>(check all that apply)</b> <input type="checkbox"/> Agricultural <input type="checkbox"/> Bottled / Bulk Water <input type="checkbox"/> Commercial <input type="checkbox"/> Environmental <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Mine Dewatering <input type="checkbox"/> Oil / Gas Production <b>Power Production:</b> <input checked="" type="checkbox"/> Fossil Fuel <input type="checkbox"/> Nuclear <input type="checkbox"/> Other Pwr: <input type="text"/> <input type="checkbox"/> Public Water Supply <b>Recreation:</b> <input type="checkbox"/> Golf Course <input type="checkbox"/> Snow Making <input type="checkbox"/> Other Rec: <input type="text"/> <input type="checkbox"/> Other: <input type="text"/>
Source Name:	Source Type:	Well Depth:	Max Rate:	Units:	
Source Name:	Source Type:	Well Depth:	Max Rate:	Units:	
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Source Name:	Source Type:	Well Depth:	Max Rate:	Units:	
Source Name:	Source Type:	Well Depth:	Max Rate:	Units:	
Source Name:	Source Type:	Well Depth:	Max Rate:	Units:	
For additional source listings, check this box <input type="checkbox"/> and go to page 3		If an "interbasin diversion" occurs, check this box <input type="checkbox"/> and go to page 3			
2011 Ave Day Withdrawal: 214.12 MGD	2011 Max Day Withdrawal: 243.36 MGD	Max Potential Withdrawal Rate, or DEC permit rate: 245 MGD			
Submitted by: John Marabella		Title: Environmental Manager		Date: 01/24/2012	

Reset Form

Print Form

Submit by Email

If you do not wish to submit this form via email, you may fill it out, then print and mail it to the address shown at the top of the page. Don't forget to fill out pages 2 and 3. Please include the \$50 fee if applicable.



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## Water Withdrawal Reporting Form (continued)

*Use this page to report actual usage for the past year*

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Calculation Method:

P

See instructions/definitions on p.4

**For Public Water Supplies Only** --

Population Served:

Percent Water Unaccounted For:

%

UNITS: Must be gallons per month	January	February	March	April	May	June
Withdrawn	7,544,160,000	6,814,080,000	7,534,020,000	6,601,140,000	6,231,030,000	7,300,800,000
Transferred / Imported	179,667	167,502	185,449	181,975	190,663	184,484
Consumed	9,840,459	8,814,842	8,825,334	4,818,048	4,384,908	6,391,876
Returned	7,534,499,208	6,805,432,660	7,525,380,115	6,596,503,927	6,226,835,725	7,294,592,608
Diversions In/Out if any						
Describe location of returned water	Cayuga Lake at Facility Outfall Located in Lansing, NY					
UNITS: Must be gallons per month	July	August	September	October	November	December
Withdrawn	7,544,160,000	7,544,160,000	6,867,315,000	4,943,250,000	5,457,855,000	3,772,080,000
Transferred / Imported	173,929	158,268	153,163	172,228	179,338	185,316
Consumed	8,487,804	8,098,248	4,898,555	573,814	644,869	212,806
Returned	7,535,846,125	7,536,220,021	6,862,569,608	4,942,848,415	5,457,389,469	3,772,052,510
Diversions In/Out if any						

Go to Page 1 to submit form by email



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Water Withdrawal Reporting Form (continued)

Please see instructions on page 4

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Additional Water Sources - Include Source Name, Source Type, Well Depth (if a well), Source Capacity with units used.

Source Name: Town of Lansing - Bolton Point	Source Type: L	Well Depth:	Max Rate: 10,000 GPD
Source Name:	Source Type:	Well Depth:	Max Rate:
Source Name:	Source Type:	Well Depth:	Max Rate:
Source Name:	Source Type:	Well Depth:	Max Rate:
Source Name:	Source Type:	Well Depth:	Max Rate:
Source Name:	Source Type:	Well Depth:	Max Rate:
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Source Name:	Source Type:	Well Depth:	Max Rate:
Source Name:	Source Type:	Well Depth:	Max Rate:
Source Name:	Source Type:	Well Depth:	Max Rate:

Units:

Interbasin Diversions - Fill out this section only if water is being transferred between major drainage basins. To determine basin ID, click the box highlighted in blue ("Click Here To Determine Basin ID"). Enter basin ID. Describe location of originating and receiving sites. (e.g. Town water intake on Smith Lake to Jones Reservoir).

Originating Major Drainage Basin		Receiving Major Drainage Basin	
<a href="#">Click Here To Determine Basin ID</a>	Enter Basin ID Here	<a href="#">Click Here To Determine Basin ID</a>	Enter Basin ID Here
Originating Site:		→ Receiving Site:	
		→	

Go to Page 1 to submit form by email

**INSTRUCTIONS / DEFINITIONS**

Annual Reporting Fee	\$50 per year for all uses <u>except</u> for agricultural or public water supply. Please make all checks payable to "NYSDEC". Mail to the address shown at the top of the form.
Agricultural Purpose	The practice of farming for crops, plants, vines and trees, and the keeping, grazing or feeding of livestock, for sale of livestock or livestock products.
Public Water Supply	Supply water to the public. Examples include: municipality, hotel, apartment, restaurant, church, campground, etc.
Source Type	S = Stream or River. L = Pond or Lake. R = Reservoir. BW = Bedrock Well. UW = Unconsolidated Well. SP = Spring. P = Purchased
Max Potential Withdrawal Or Permitted Withdrawal	For public supplies show DEC permitted withdrawal rate. All others show absolute maximum rate that can be withdrawn.
Units, Source	Gallons per minute (gpm), gallons per day (gpd) or million gallons per day (mgd).
Well Name	Name of well water source (e.g. Well No.1, Main Street well).
Well Type	Rock vs. unconsolidated (sand and gravel) well.
Average Day Withdrawal	Total amount withdrawn during the past year, divided by total days withdrawn (e.g. 365,000,000 gallons / 365 days = 1 mgd).
Maximum Day Withdrawal	Largest single day withdrawal rate (e.g. 2.65 mgd) of the source during the past year.
Calculation Method	M - metered readings. W - flow through a weir or flume. P - flow through a pump or pump run time. E - estimated
Withdrawn	Amount of water removed from the source.
Transferred/Imported	Amount of water brought in from or sent to another facility. Includes bulk sales. For Transferred water, use a negative (-) sign.
Consumed	Amount of water not returned (e.g. water incorporated into a product or lost through evaporation). Public water suppliers must use metered sales to customer.
Returned	Amount of water discharged back to the environment or a wastewater system.
Diversions In/Out	Amount of water, if any, diverted from/to another major drainage basin. For Diversions Out, use a negative (-) sign.
Location of Returned Water	State the general area where returned water is discharged. Examples: "Hudson River near Poughkeepsie", "Groundwater near Auburn".
Major Drainage Basins	Report only "Major Basin" transfers. Use internet link (labelled "Click Here To Determine Basin ID") and enter ID into box indicated. Describe location of originating withdrawal and receiving discharge. Be as specific as possible.