

Summary Sheet for January 2019

Sr. No.	Formats	Type of Transactions	Transaction Status/Contract Information (Yes/No)*
1	Form IV-A	Short-term Inter-State Transactions of Electricity by Trading Licensees (RTC)	Yes
2	Form IV-B	Short-term Inter-State Transactions of Electricity by Trading Licensees (Peak)	No
3	Form IV-C	Short-term Inter-State Transactions of Electricity by Trading Licensees (Off-Peak)	No
4	Form IV-D	Long-term Inter-State Transactions of Electricity by Trading Licensees	Yes
5	Form IV-E	Intra-State Transactions of Electricity by Trading Licensees	Yes
6	Form IV-F	Day Ahead Power Exchange Transactions of Electricity by Trading Licensees	Yes
7	Form IV-G	Term Ahead Power Exchange Transactions of Electricity by Trading Licensees	Yes
8	Form IV-H	Renewable Energy Certificates (REC) Trading on Power Exchange by Trading Licensees	Yes



Form IV-C

Short-term Inter-State Transactions of Electricity by Trading Licensees (Other than Peak & RTC)

Name of the Trading Licensee: Tata Power Trading Co. Ltd.
 Month: January 2019

Sr.No	Period of Power Delivery		Time of Power Delivery		Scheduled Volume (MUs)	Purchased from			Sold to			Purchase Price (Rs/kwh)	Sale Price (Rs/kwh)	Trading Margin (Rs/kwh)	
	Start date (DD/MM/YYYY)	End date (DD/MM/YYYY)	Start Time (HH:MM)	End Time (HH:MM)		Name of the Seller	Category	State	Name of the Buyer	Category	State				
A	Inter State Trading Transactions														
1															
2															
3															
Total					0.00										

B Inter State Trading Transactions through Swapping or Banking Arrangement															
Sr.No	Start date (DD/MM/YYYY)	End date (DD/MM/YYYY)	Start Time (HH:MM)	End Time (HH:MM)	Scheduled Volume (MUs)	Name of the Seller	Category	State	Name of the Buyer	Category	State	Purchase Price (Rs/kwh)	Sale Price (Rs/kwh)	Trading Margin (Rs/kwh)	
1	1-Jan-19	31-Jan-19	00:00	06:00	34.22	BSES Yamuna Power Ltd	Discom	Delhi	Himechal Pradesh State Electricity Board	Utility	Himachal Pradesh	-	-	0.0125	
2	1-Jan-19	31-Jan-19	22:00	24:00	11.41	BSES Yamuna Power Ltd	Discom	Delhi	Himachal Pradesh State Electricity Board	Utility	Himachal Pradesh	-	-	0.0125	
Total					45.63										

C Cross Border Transactions															
Sr.No	Start date (DD/MM/YYYY)	End date (DD/MM/YYYY)	Start Time (HH:MM)	End Time (HH:MM)	Scheduled Volume (MUs)	Name of the Seller	Category	State	Name of the Buyer	Category	State	Purchase Price (Rs/kwh)	Sale Price (Rs/kwh)	Trading Margin (Rs/kwh)	
1															
2															
3															
Total					0.00										

Grand Total	45.63
--------------------	--------------

Form IV-D

Long-term Inter-State Transactions of Electricity by Trading Licensees

Name of the Trading Licensee:
Month: January 2019

Tata Power Trading Co. Ltd.

Sr. No.	Period of Power Delivery		Scheduled Volume (MUs)	Purchased from			Sold to			Sale Price (Rs/kwh)
	Start date (DD/MM/YYYY)	End date (DD/MM/YYYY)		Name of the Seller	Category	State	Name of the Buyer	Category	State	
A	Inter State Trading Transactions									
1	01-01-19	31-01-19	154.83	Maithon Power limited	IPP	Jharkhand	West Bengal State Electricity Distribution Ltd	Utility	West bengal	4.26*
2	01-01-19	31-01-19	149.28	Maithon Power limited	IPP	Jharkhand	Tata Power Delhi Distribution Limited	Utility	Delhi	4.26*
3	01-01-19	31-01-19	60.5	Jhajjar Power Limited	IPP	Haryana	Tata Power Delhi Distribution Limited	Utility	Delhi	4.79*
4	01-01-19	31-01-19	40.67	Tata Power (Haldia)	IPP	West Bengal	Uttarakhand Power Corporation Limited	Utility	Uttarakhand	3.90*
		Total	405.28							
B	Inter State Trading Transactions through Swapping or Banking Arrangement									
1										
		Total								
C	Cross Border Transactions									
1	01-01-19	15-01-19	8.91	Dagachu Hydro Power Project	Hydro	Bhutan	Uttarakhand Power Corporation Limited	Utility	Uttarakhand	4.11
2	16-01-19	31-01-19	7.72	Dagachu Hydro Power Project	Hydro	Bhutan	Uttarakhand Power Corporation Limited	Utility	Uttarakhand	4.11
3	16-01-19	23-01-19	0.40	Dagachu Hydro Power Project	Hydro	Bhutan	Torrent Power Limited – Distribution Dahej	Utility	Gujarat	3.73
4	24-01-19	31-01-19	0.80	Dagachu Hydro Power Project	Hydro	Bhutan	Torrent Power Limited – Distribution Dahej	Utility	Gujarat	3.73
		Total	17.84							
		Grand Total	423.12							

Note: *Sale Price is based on Fixed and Variable charges, which corresponds to Declared capacity and shedule generation respectively



Form IV-E

Intra-State Transactions of Electricity by Trading Licensees

Name of the Trading Licensee: Tata Power Trading Co. Ltd.

Month: January 2019

Sr. No.	Total Transacted Volume (MUs)	State
Short Term transactions		
1	11.72	Maharashtra
2	5.47	Uttarakhand
3	12.97	Gujarat
4	29.71	Telangana
5	18.50	West Bengal
Total	78.37	

Sr. No.	Total Transacted Volume (MUs)	State
Long Term Transactions		
1		
2		
Total	0.00	

Remarks: Above data includes MUs provisionally estimated for January 2019 & adjustment towards the difference between MUs provisionally estimated and actual for the period prior to January 2019



Day Ahead Power Exchange Transactions of Electricity by Trading Licensees

Name of the Trading Licensee:

Tata Power Trading Company Limited

Month:	Jan-19
--------	--------

Sr.No	Date of Delivery (DD/MM/YYYY)	Total Scheduled Volume (MUs) for each client	Purchased from		Sold to	
			Name of Seller/ Name of PX	State	Name of Buyer / Name of PX	State
1	Jan-19	0.487	IEX	Exchange	OA consumer	AS
2	Jan-19	0.500	IEX	Exchange	OA consumer	DV
3	Jan-19	0.410	IEX	Exchange	OA consumer	OR
4	Jan-19	4.659	IEX	Exchange	OA consumer	HR
5	Jan-19	0.271	IEX	Exchange	OA consumer	HR
6	Jan-19	2.109	IEX	Exchange	OA consumer	HR
7	Jan-19	1.079	IEX	Exchange	OA consumer	HR
8	Jan-19	0.296	IEX	Exchange	OA consumer	HR
9	Jan-19	1.690	IEX	Exchange	OA consumer	RJ
10	Jan-19	0.279	IEX	Exchange	OA consumer	UA
11	Jan-19	1.456	IEX	Exchange	OA consumer	UA
12	Jan-19	0.211	IEX	Exchange	OA consumer	UA
13	Jan-19	0.291	IEX	Exchange	OA consumer	UA
14	Jan-19	0.369	IEX	Exchange	OA consumer	UA
15	Jan-19	0.259	IEX	Exchange	OA consumer	UA
16	Jan-19	1.394	IEX	Exchange	OA consumer	AP
17	Jan-19	0.418	IEX	Exchange	OA consumer	AP
18	Jan-19	0.989	IEX	Exchange	OA consumer	AP
19	Jan-19	1.341	IEX	Exchange	OA consumer	AP
20	Jan-19	0.898	IEX	Exchange	OA consumer	AP
21	Jan-19	0.371	IEX	Exchange	OA consumer	AP
22	Jan-19	0.085	IEX	Exchange	OA consumer	AP
23	Jan-19	0.195	IEX	Exchange	OA consumer	AP
24	Jan-19	0.781	IEX	Exchange	OA consumer	AP



25	Jan-19	0.393	IEX	Exchange	OA consumer	AP
26	Jan-19	0.305	IEX	Exchange	OA consumer	AP
27	Jan-19	0.340	IEX	Exchange	OA consumer	KA
28	Jan-19	0.217	IEX	Exchange	OA consumer	KA
29	Jan-19	1.585	IEX	Exchange	OA consumer	TG
30	Jan-19	1.002	IEX	Exchange	OA consumer	TG
31	Jan-19	0.684	IEX	Exchange	OA consumer	TG
32	Jan-19	1.218	IEX	Exchange	OA consumer	TG
33	Jan-19	2.065	IEX	Exchange	OA consumer	TG
34	Jan-19	0.592	IEX	Exchange	OA consumer	TG
35	Jan-19	1.927	IEX	Exchange	OA consumer	TG
36	Jan-19	0.239	IEX	Exchange	OA consumer	TG
37	Jan-19	0.147	IEX	Exchange	OA consumer	TG
38	Jan-19	0.330	IEX	Exchange	OA consumer	TG
39	Jan-19	1.463	IEX	Exchange	OA consumer	TG
40	Jan-19	0.652	IEX	Exchange	OA consumer	TN
41	Jan-19	4.353	IEX	Exchange	OA consumer	TN
42	Jan-19	1.193	IEX	Exchange	OA consumer	TN



43	Jan-19	2.151	IEX	Exchange	OA consumer	TN
44	Jan-19	1.935	IEX	Exchange	OA consumer	TN
45	Jan-19	0.803	IEX	Exchange	OA consumer	TN
46	Jan-19	0.823	IEX	Exchange	OA consumer	TN
47	Jan-19	1.826	IEX	Exchange	OA consumer	TN
48	Jan-19	0.144	IEX	Exchange	OA consumer	TN
49	Jan-19	0.640	IEX	Exchange	OA consumer	TN
50	Jan-19	0.517	IEX	Exchange	OA consumer	TN
51	Jan-19	0.499	IEX	Exchange	OA consumer	TN
52	Jan-19	0.957	IEX	Exchange	OA consumer	TN
53	Jan-19	0.348	IEX	Exchange	OA consumer	TN
54	Jan-19	1.452	IEX	Exchange	OA consumer	TN
55	Jan-19	0.490	IEX	Exchange	OA consumer	TN
56	Jan-19	0.437	IEX	Exchange	OA consumer	TN
57	Jan-19	6.215	IEX	Exchange	OA consumer	TN
58	Jan-19	0.657	IEX	Exchange	OA consumer	TN
59	Jan-19	0.336	IEX	Exchange	OA consumer	TN
60	Jan-19	0.356	IEX	Exchange	OA consumer	TN
61	Jan-19	1.204	IEX	Exchange	OA consumer	TN
62	Jan-19	0.211	IEX	Exchange	OA consumer	TN
63	Jan-19	0.185	IEX	Exchange	OA consumer	TN
64	Jan-19	1.034	IEX	Exchange	OA consumer	MH
65	Jan-19	0.773	IEX	Exchange	OA consumer	MH
66	Jan-19	0.778	IEX	Exchange	OA consumer	MH
67	Jan-19	0.756	IEX	Exchange	OA consumer	MH
68	Jan-19	0.708	IEX	Exchange	OA consumer	MH
69	Jan-19	0.708	IEX	Exchange	OA consumer	MH
70	Jan-19	1.020	IEX	Exchange	OA consumer	MH
71	Jan-19	1.020	IEX	Exchange	OA consumer	MH
72	Jan-19	1.020	IEX	Exchange	OA consumer	MH
73	Jan-19	0.960	IEX	Exchange	OA consumer	MH
74	Jan-19	0.576	IEX	Exchange	OA consumer	MH
75	Jan-19	0.338	IEX	Exchange	OA consumer	MH
76	Jan-19	20.040	IEX	Exchange	OA consumer	MH
77	Jan-19	0.912	IEX	Exchange	OA consumer	MH



79	Jan-19	1.015	IEX	DV	IEX	Exchange
80	Jan-19	2.067	IEX	WB	IEX	Exchange
81	Jan-19	0.555	IEX	JT	IEX	Exchange
82	Jan-19	7.344	IEX	OR	IEX	Exchange
83	Jan-19	6.109	IEX	OR	IEX	Exchange
84	Jan-19	3.125	IEX	OR	IEX	Exchange
85	Jan-19	1.121	IEX	OR	IEX	Exchange
86	Jan-19	2.587	IEX	JK	IEX	Exchange
87	Jan-19	12.503	IEX	KW	IEX	Exchange
88	Jan-19	9.123	IEX	SJ	IEX	Exchange
89	Jan-19	1.363	IEX	SJ	IEX	Exchange
90	Jan-19	3.432	IEX	KA	IEX	Exchange
91	Jan-19	1.444	IEX	KA	IEX	Exchange
92	Jan-19	5.468	IEX	KA	IEX	Exchange
93	Jan-19	15.81	IEX	TG	IEX	Exchange
94	Jan-19	27.32	IEX	TG	IEX	Exchange
95	Jan-19	1.25	IEX	TG	IEX	Exchange
96	Jan-19	2.61	IEX	GJ	IEX	Exchange
97	Jan-19	0.00	IEX	GJ	IEX	Exchange

Sr.No.	Name of the Client	IEX		PXIL	
		Margin Charged When MCP is Lesser Than or Equal to Rs. 3/Kwh (Rs./Kwh)	Margin Charged When MCP is Greater Than Rs.	Margin Charged When MCP is Lesser	Margin Charged When MCP is Greater Than Rs. 3/Kwh
1	OA consumer	<= 0.03	<= 0.07	NA	NA
2	OA consumer	<= 0.03	<= 0.07	NA	NA
3	OA consumer	<= 0.03	<= 0.07	NA	NA
4	OA consumer	<= 0.03	<= 0.07	NA	NA
5	OA consumer	<= 0.03	<= 0.07	NA	NA
6	OA consumer	<= 0.03	<= 0.07	NA	NA
7	OA consumer	<= 0.03	<= 0.07	NA	NA



8	OA consumer	≤ 0.03	≤ 0.07	NA	NA
9	OA consumer	≤ 0.03	≤ 0.07	NA	NA
10	OA consumer	≤ 0.03	≤ 0.07	NA	NA
11	OA consumer	≤ 0.03	≤ 0.07	NA	NA
12	OA consumer	≤ 0.03	≤ 0.07	NA	NA
13	OA consumer	≤ 0.03	≤ 0.07	NA	NA
14	OA consumer	≤ 0.03	≤ 0.07	NA	NA
15	OA consumer	≤ 0.03	≤ 0.07	NA	NA
16	OA consumer	≤ 0.03	≤ 0.07	NA	NA
17	OA consumer	≤ 0.03	≤ 0.07	NA	NA
18	OA consumer	≤ 0.03	≤ 0.07	NA	NA
19	OA consumer	≤ 0.03	≤ 0.07	NA	NA
20	OA consumer	≤ 0.03	≤ 0.07	NA	NA
21	OA consumer	≤ 0.03	≤ 0.07	NA	NA
22	OA consumer	≤ 0.03	≤ 0.07	NA	NA
23	OA consumer	≤ 0.03	≤ 0.07	NA	NA
24	OA consumer	≤ 0.03	≤ 0.07	NA	NA
25	OA consumer	≤ 0.03	≤ 0.07	NA	NA
26	OA consumer	≤ 0.03	≤ 0.07	NA	NA
27	OA consumer	≤ 0.03	≤ 0.07	NA	NA
28	OA consumer	≤ 0.03	≤ 0.07	NA	NA
29	OA consumer	≤ 0.03	≤ 0.07	NA	NA
30	OA consumer	≤ 0.03	≤ 0.07	NA	NA
31	OA consumer	≤ 0.03	≤ 0.07	NA	NA
32	OA consumer	≤ 0.03	≤ 0.07	NA	NA
33	OA consumer	≤ 0.03	≤ 0.07	NA	NA
34	OA consumer	≤ 0.03	≤ 0.07	NA	NA
35	OA consumer	≤ 0.03	≤ 0.07	NA	NA
36	OA consumer	≤ 0.03	≤ 0.07	NA	NA
37	OA consumer	≤ 0.03	≤ 0.07	NA	NA
38	OA consumer	≤ 0.03	≤ 0.07	NA	NA
39	OA consumer	≤ 0.03	≤ 0.07	NA	NA
40	OA consumer	≤ 0.03	≤ 0.07	NA	NA
41	OA consumer	≤ 0.03	≤ 0.07	NA	NA
42	OA consumer	≤ 0.03	≤ 0.07	NA	NA



43	OA consumer	≤ 0.03	≤ 0.07	NA	NA
44	OA consumer	≤ 0.03	≤ 0.07	NA	NA
45	OA consumer	≤ 0.03	≤ 0.07	NA	NA
46	OA consumer	≤ 0.03	≤ 0.07	NA	NA
47	OA consumer	≤ 0.03	≤ 0.07	NA	NA
48	OA consumer	≤ 0.03	≤ 0.07	NA	NA
49	OA consumer	≤ 0.03	≤ 0.07	NA	NA
50	OA consumer	≤ 0.03	≤ 0.07	NA	NA
51	OA consumer	≤ 0.03	≤ 0.07	NA	NA
52	OA consumer	≤ 0.03	≤ 0.07	NA	NA
53	OA consumer	≤ 0.03	≤ 0.07	NA	NA
54	OA consumer	≤ 0.03	≤ 0.07	NA	NA
55	OA consumer	≤ 0.03	≤ 0.07	NA	NA
56	OA consumer	≤ 0.03	≤ 0.07	NA	NA
57	OA consumer	≤ 0.03	≤ 0.07	NA	NA
58	OA consumer	≤ 0.03	≤ 0.07	NA	NA
59	OA consumer	≤ 0.03	≤ 0.07	NA	NA
60	OA consumer	≤ 0.03	≤ 0.07	NA	NA
61	OA consumer	≤ 0.03	≤ 0.07	NA	NA
62	OA consumer	≤ 0.03	≤ 0.07	NA	NA
63	OA consumer	≤ 0.03	≤ 0.07	NA	NA
64	OA consumer	≤ 0.03	≤ 0.07	NA	NA
65	OA consumer	≤ 0.03	≤ 0.07	NA	NA
66	OA consumer	≤ 0.03	≤ 0.07	NA	NA
67	OA consumer	≤ 0.03	≤ 0.07	NA	NA
68	OA consumer	≤ 0.03	≤ 0.07	NA	NA
69	OA consumer	≤ 0.03	≤ 0.07	NA	NA
70	OA consumer	≤ 0.03	≤ 0.07	NA	NA
71	OA consumer	≤ 0.03	≤ 0.07	NA	NA
72	OA consumer	≤ 0.03	≤ 0.07	NA	NA
73	OA consumer	≤ 0.03	≤ 0.07	NA	NA
74	OA consumer	≤ 0.03	≤ 0.07	NA	NA
75	OA consumer	≤ 0.03	≤ 0.07	NA	NA
76	OA consumer	≤ 0.03	≤ 0.07	NA	NA
77	OA consumer	≤ 0.03	≤ 0.07	NA	NA



78	OA consumer	≤ 0.03	≤ 0.07	NA	NA
79	OA consumer	≤ 0.03	≤ 0.07	NA	NA
80	OA consumer	≤ 0.03	≤ 0.07	NA	NA
81	OA consumer	≤ 0.03	≤ 0.07	NA	NA
82	OA consumer	≤ 0.03	≤ 0.07	NA	NA
83	OA consumer	≤ 0.03	≤ 0.07	NA	NA
84	OA consumer	≤ 0.03	≤ 0.07	NA	NA
85	OA consumer	≤ 0.03	≤ 0.07	NA	NA
86	OA consumer	≤ 0.03	≤ 0.07	NA	NA
87	OA consumer	≤ 0.03	≤ 0.07	NA	NA
88	OA consumer	≤ 0.03	≤ 0.07	NA	NA
89	OA consumer	≤ 0.03	≤ 0.07	NA	NA
90	OA consumer	≤ 0.03	≤ 0.07	NA	NA
91	OA consumer	≤ 0.03	≤ 0.07	NA	NA
92	OA consumer	≤ 0.03	≤ 0.07	NA	NA
93	OA consumer	≤ 0.03	≤ 0.07	NA	NA
94	OA consumer	≤ 0.03	≤ 0.07	NA	NA
95	OA consumer	≤ 0.03	≤ 0.07	NA	NA
96	OA consumer	≤ 0.03	≤ 0.07	NA	NA
97	OA consumer	≤ 0.03	≤ 0.07	NA	NA



Form-IV G

Month: Jan-19

Sr. No	Name of Power Exchange (IEX/PXIL)	Period of Power Delivery		Time of Power Delivery		Scheduled Volume (Mwh)	Purchased From		Sold To		Transaction Price	Trading Margin (Rs/kwh)
		Start Date (DD/MM/YYYY)	End Date (DD/MM/YYYY)	Start Time (HH:MM)	End Time (HH:MM)		Name Of Seller	State	Name Of Buyer	State		
A Intra-Day Contracts												
1	IEX	18-Jan-19	18-Jan-19	11:00	13:00	0.020	Tata Steel Limited	DVC	West Bengal State Electricity Distribution Co. Ltd.	WB	4700.00	0.01
2	IEX	18-Jan-19	18-Jan-19	13:00	14:00	0.010	Tata Steel Limited	DVC	West Bengal State Electricity Distribution Co. Ltd.	WB	4700.00	0.01
B Day-Ahead Contingency Contracts												
1	IEX	18-Jan-19	18-Jan-19	6:00	7:00	0.01	Tata Steel Limited	DVC	Jharkhand Bijli Vitaran Nigam Ltd	Jharkhand	4400.00	0.01
2	IEX	18-Jan-19	18-Jan-19	7:00	11:00	0.02	Tata Steel Limited	DVC	Jharkhand Bijli Vitaran Nigam Ltd	Jharkhand	4700.00	0.01
3	IEX	18-Jan-19	18-Jan-19	17:00	21:00	0.02	Tata Steel Limited	DVC	Jharkhand Bijli Vitaran Nigam Ltd	Jharkhand	4700.00	0.01



Form IV -H						
Renewable Energy Certificates (RECs) Trading on Power Exchanges by Trading Licensees						
Name of the Trading Licensee : TATA POWER TRADING COMPANY LIMITED						
Date of Trading : 30.01.2019						
Sr. No.	Client Name/Type (Renewable generator/ Obligated Entities)	Name of Power Exchange	Solar/Non-Solar	Volume (RECs)	Market Clearing Price (Rs./REC)	TradingMargin (Rs./KWh)
Non-Solar						
1	OBLIGATED ENTITY	IEX	Non-Solar	3515	1500	≤0.04
2	OBLIGATED ENTITY	IEX	Non-Solar	1265	1500	≤0.04
3	OBLIGATED ENTITY	IEX	Non-Solar	569	1500	≤0.04
4	OBLIGATED ENTITY	IEX	Non-Solar	830	1500	≤0.04
5	OBLIGATED ENTITY	IEX	Non-Solar	13590	1500	≤0.04
6	OBLIGATED ENTITY	IEX	Non-Solar	1337	1500	≤0.04
7	OBLIGATED ENTITY	IEX	Non-Solar	10553	1500	≤0.04
8	OBLIGATED ENTITY	IEX	Non-Solar	383	1500	≤0.04
9	OBLIGATED ENTITY	IEX	Non-Solar	3448	1500	≤0.04
10	OBLIGATED ENTITY	IEX	Non-Solar	7000	1500	≤0.04
11	OBLIGATED ENTITY	IEX	Non-Solar	977	1500	≤0.04
12	OBLIGATED ENTITY	IEX	Non-Solar	1036	1500	≤0.04
13	OBLIGATED ENTITY	IEX	Non-Solar	27	1500	≤0.04
14	OBLIGATED ENTITY	IEX	Non-Solar	12	1500	≤0.04
15	OBLIGATED ENTITY	IEX	Non-Solar	420	1500	≤0.04
16	OBLIGATED ENTITY	IEX	Non-Solar	428	1500	≤0.04
17	OBLIGATED ENTITY	IEX	Non-Solar	802	1500	≤0.04
18	OBLIGATED ENTITY	IEX	Non-Solar	1919	1500	≤0.04
19	OBLIGATED ENTITY	IEX	Non-Solar	669	1500	≤0.04
20	OBLIGATED ENTITY	IEX	Non-Solar	108	1500	≤0.04
21	OBLIGATED ENTITY	IEX	Non-Solar	196	1500	≤0.04
22	OBLIGATED ENTITY	IEX	Non-Solar	141	1500	≤0.04
23	OBLIGATED ENTITY	IEX	Non-Solar	139	1500	≤0.04
24	OBLIGATED ENTITY	IEX	Non-Solar	876	1500	≤0.04
25	OBLIGATED ENTITY	IEX	Non-Solar	650	1500	≤0.04
26	OBLIGATED ENTITY	IEX	Non-Solar	253	1500	≤0.04



27	OBLIGATED ENTITY	IEX	Non-Solar	1323	1500	≤0.04
28	OBLIGATED ENTITY	IEX	Non-Solar	2137	1500	≤0.04
29	OBLIGATED ENTITY	IEX	Non-Solar	173	1500	≤0.04
30	OBLIGATED ENTITY	IEX	Non-Solar	92	1500	≤0.04
31	OBLIGATED ENTITY	IEX	Non-Solar	418	1500	≤0.04
32	OBLIGATED ENTITY	IEX	Non-Solar	1234	1500	≤0.04
33	OBLIGATED ENTITY	IEX	Non-Solar	829	1500	≤0.04
34	OBLIGATED ENTITY	IEX	Non-Solar	1745	1500	≤0.04
35	OBLIGATED ENTITY	IEX	Non-Solar	3062	1500	≤0.04
36	OBLIGATED ENTITY	IEX	Non-Solar	679	1500	≤0.04
37	OBLIGATED ENTITY	IEX	Non-Solar	766	1500	≤0.04
38	OBLIGATED ENTITY	IEX	Non-Solar	18	1500	≤0.04
39	OBLIGATED ENTITY	IEX	Non-Solar	8	1500	≤0.04
40	OBLIGATED ENTITY	IEX	Non-Solar	175	1500	≤0.04
41	OBLIGATED ENTITY	IEX	Non-Solar	7499	1500	≤0.04
42	OBLIGATED ENTITY	IEX	Non-Solar	118	1500	≤0.04
43	OBLIGATED ENTITY	IEX	Non-Solar	237	1500	≤0.04
44	OBLIGATED ENTITY	IEX	Non-Solar	2000	1500	≤0.04
45	OBLIGATED ENTITY	IEX	Non-Solar	29	1500	≤0.04
46	OBLIGATED ENTITY	IEX	Non-Solar	1823	1500	≤0.04
47	OBLIGATED ENTITY	IEX	Non-Solar	1024	1500	≤0.04
48	OBLIGATED ENTITY	IEX	Non-Solar	756	1500	≤0.04
49	OBLIGATED ENTITY	IEX	Non-Solar	3300	1500	≤0.04
50	OBLIGATED ENTITY	IEX	Non-Solar	199	1500	≤0.04
51	OBLIGATED ENTITY	IEX	Non-Solar	148	1500	≤0.04
52	OBLIGATED ENTITY	IEX	Non-Solar	200	1500	≤0.04
53	OBLIGATED ENTITY	IEX	Non-Solar	900	1500	≤0.04
54	OBLIGATED ENTITY	IEX	Non-Solar	2100	1500	≤0.04
55	OBLIGATED ENTITY	IEX	Non-Solar	39	1500	≤0.04
56	OBLIGATED ENTITY	IEX	Non-Solar	7	1500	≤0.04
57	OBLIGATED ENTITY	IEX	Non-Solar	61	1500	≤0.04
58	OBLIGATED ENTITY	IEX	Non-Solar	143	1500	≤0.04
59	OBLIGATED ENTITY	IEX	Non-Solar	12	1500	≤0.04
60	OBLIGATED ENTITY	IEX	Non-Solar	134	1500	≤0.04



61	OBLIGATED ENTITY	IEX	Non-Solar	1543	1500	≤0.04
62	OBLIGATED ENTITY	IEX	Non-Solar	1765	1500	≤0.04
63	OBLIGATED ENTITY	IEX	Non-Solar	92	1500	≤0.04
64	OBLIGATED ENTITY	IEX	Non-Solar	273	1500	≤0.04
65	OBLIGATED ENTITY	IEX	Non-Solar	51	1500	≤0.04
66	OBLIGATED ENTITY	IEX	Non-Solar	74	1500	≤0.04
67	OBLIGATED ENTITY	IEX	Non-Solar	8	1500	≤0.04
68	OBLIGATED ENTITY	IEX	Non-Solar	168	1500	≤0.04
69	OBLIGATED ENTITY	IEX	Non-Solar	109	1500	≤0.04
70	OBLIGATED ENTITY	IEX	Non-Solar	1391	1500	≤0.04
71	OBLIGATED ENTITY	IEX	Non-Solar	260	1500	≤0.04
72	OBLIGATED ENTITY	IEX	Non-Solar Old	34000	1500	≤0.04
73	OBLIGATED ENTITY	IEX	Non-Solar Old	20000	1500	≤0.04
74	RENEWABLE GENERATOR	IEX	Non-Solar	2500	1500	≤0.04
75	RENEWABLE GENERATOR	IEX	Non-Solar	2500	1500	≤0.04
76	RENEWABLE GENERATOR	IEX	Non-Solar	1919	1500	≤0.04
77	RENEWABLE GENERATOR	IEX	Non-Solar	1919	1500	≤0.04
78	RENEWABLE GENERATOR	PXIL	Non-Solar	14	1501	≤0.04
	Solar					
1	OBLIGATED ENTITY	IEX	Solar	1511	1750	≤0.04
2	OBLIGATED ENTITY	IEX	Solar	1745	1750	≤0.04
3	OBLIGATED ENTITY	IEX	Solar	2188	1750	≤0.04
4	OBLIGATED ENTITY	IEX	Solar	922	1750	≤0.04
5	OBLIGATED ENTITY	IEX	Solar	658	1750	≤0.04
6	OBLIGATED ENTITY	IEX	Solar	1252	1750	≤0.04
7	OBLIGATED ENTITY	IEX	Solar	1000	1750	≤0.04
8	OBLIGATED ENTITY	IEX	Solar	931	1750	≤0.04
9	OBLIGATED ENTITY	IEX	Solar	379	1750	≤0.04
10	OBLIGATED ENTITY	IEX	Solar	44	1750	≤0.04
11	OBLIGATED ENTITY	IEX	Solar	69	1750	≤0.04
12	OBLIGATED ENTITY	IEX	Solar	524	1750	≤0.04
13	OBLIGATED ENTITY	IEX	Solar	200	1750	≤0.04
14	OBLIGATED ENTITY	IEX	Solar	3484	1750	≤0.04
15	OBLIGATED ENTITY	IEX	Solar	84	1750	≤0.04



16	OBLIGATED ENTITY	IEX	Solar	93	1750	≤0.04
17	OBLIGATED ENTITY	IEX	Solar	36	1750	≤0.04
18	OBLIGATED ENTITY	IEX	Solar	41	1750	≤0.04
19	OBLIGATED ENTITY	IEX	Solar	1200	1750	≤0.04
20	OBLIGATED ENTITY	IEX	Solar	299	1750	≤0.04
21	OBLIGATED ENTITY	IEX	Solar	590	1750	≤0.04
22	OBLIGATED ENTITY	IEX	Solar	425	1750	≤0.04
23	OBLIGATED ENTITY	IEX	Solar	286	1750	≤0.04
24	OBLIGATED ENTITY	IEX	Solar	706	1750	≤0.04
25	OBLIGATED ENTITY	IEX	Solar	446	1750	≤0.04
26	OBLIGATED ENTITY	IEX	Solar	297	1750	≤0.04
27	OBLIGATED ENTITY	IEX	Solar	102	1750	≤0.04
28	OBLIGATED ENTITY	IEX	Solar	51	1750	≤0.04
29	OBLIGATED ENTITY	IEX	Solar	87	1750	≤0.04
30	OBLIGATED ENTITY	IEX	Solar	600	1750	≤0.04
31	OBLIGATED ENTITY	IEX	Solar	350	1750	≤0.04
32	OBLIGATED ENTITY	IEX	Solar	1427	1750	≤0.04
33	OBLIGATED ENTITY	IEX	Solar	698	1750	≤0.04
34	OBLIGATED ENTITY	IEX	Solar	671	1750	≤0.04
35	OBLIGATED ENTITY	IEX	Solar	749	1750	≤0.04
36	OBLIGATED ENTITY	IEX	Solar	249	1750	≤0.04
37	OBLIGATED ENTITY	IEX	Solar	660	1750	≤0.04
38	OBLIGATED ENTITY	IEX	Solar	756	1750	≤0.04
39	OBLIGATED ENTITY	IEX	Solar	1217	1750	≤0.04
40	OBLIGATED ENTITY	IEX	Solar	661	1750	≤0.04
41	OBLIGATED ENTITY	IEX	Solar	891	1750	≤0.04
42	OBLIGATED ENTITY	IEX	Solar	846	1750	≤0.04
43	OBLIGATED ENTITY	IEX	Solar	549	1750	≤0.04
44	OBLIGATED ENTITY	IEX	Solar	1617	1750	≤0.04
45	OBLIGATED ENTITY	IEX	Solar	329	1750	≤0.04
46	OBLIGATED ENTITY	IEX	Solar	616	1750	≤0.04
47	OBLIGATED ENTITY	IEX	Solar	758	1750	≤0.04
48	OBLIGATED ENTITY	IEX	Solar	501	1750	≤0.04
49	OBLIGATED ENTITY	IEX	Solar	710	1750	≤0.04



50	OBLIGATED ENTITY	IEX	Solar	780	1750	≤0.04
51	OBLIGATED ENTITY	IEX	Solar	904	1750	≤0.04
52	OBLIGATED ENTITY	IEX	Solar	163	1750	≤0.04
53	OBLIGATED ENTITY	IEX	Solar	626	1750	≤0.04
54	OBLIGATED ENTITY	IEX	Solar	200	1750	≤0.04
55	OBLIGATED ENTITY	IEX	Solar	284	1750	≤0.04
56	OBLIGATED ENTITY	IEX	Solar	1216	1750	≤0.04
57	OBLIGATED ENTITY	IEX	Solar	651	1750	≤0.04
58	OBLIGATED ENTITY	IEX	Solar	51	1750	≤0.04
59	OBLIGATED ENTITY	IEX	Solar	242	1750	≤0.04
60	OBLIGATED ENTITY	IEX	Solar	520	1750	≤0.04
61	OBLIGATED ENTITY	IEX	Solar	57	1750	≤0.04
62	OBLIGATED ENTITY	IEX	Solar	260	1750	≤0.04
63	OBLIGATED ENTITY	IEX	Solar	75	1750	≤0.04
64	OBLIGATED ENTITY	IEX	Solar	1511	1750	≤0.04
65	OBLIGATED ENTITY	IEX	Solar	1439	1750	≤0.04
66	OBLIGATED ENTITY	IEX	Solar	1228	1750	≤0.04
67	OBLIGATED ENTITY	IEX	Solar	70	1750	≤0.04
68	OBLIGATED ENTITY	IEX	Solar	1255	1750	≤0.04
69	OBLIGATED ENTITY	IEX	Solar	200	1750	≤0.04
70	OBLIGATED ENTITY	IEX	Solar	630	1750	≤0.04
71	OBLIGATED ENTITY	IEX	Solar	3381	1750	≤0.04
72	OBLIGATED ENTITY	IEX	Solar	4811	1750	≤0.04
73	OBLIGATED ENTITY	IEX	Solar	1462	1750	≤0.04
74	OBLIGATED ENTITY	IEX	Solar	1247	1750	≤0.04
75	OBLIGATED ENTITY	IEX	Solar	180	1750	≤0.04
76	OBLIGATED ENTITY	IEX	Solar	349	1750	≤0.04
77	OBLIGATED ENTITY	IEX	Solar	1119	1750	≤0.04
78	OBLIGATED ENTITY	IEX	Solar	432	1750	≤0.04
79	OBLIGATED ENTITY	IEX	Solar	9	1750	≤0.04
80	OBLIGATED ENTITY	IEX	Solar	18	1750	≤0.04
81	OBLIGATED ENTITY	IEX	Solar	98	1750	≤0.04
82	OBLIGATED ENTITY	IEX	Solar	119	1750	≤0.04
83	OBLIGATED ENTITY	IEX	Solar	523	1750	≤0.04



84	OBLIGATED ENTITY	IEX	Solar	219	1750	≤0.04
85	OBLIGATED ENTITY	IEX	Solar	88	1750	≤0.04
86	OBLIGATED ENTITY	IEX	Solar	111	1750	≤0.04
87	RENEWABLE GENERATOR	IEX	Solar	110	1750	≤0.04
88	RENEWABLE GENERATOR	IEX	Solar	270	1750	≤0.04
89	RENEWABLE GENERATOR	IEX	Solar	779	1750	≤0.04
90	RENEWABLE GENERATOR	IEX	Solar	119	1750	≤0.04
91	RENEWABLE GENERATOR	IEX	Solar	129	1750	≤0.04
92	RENEWABLE GENERATOR	IEX	Solar	129	1750	≤0.04
93	RENEWABLE GENERATOR	IEX	Solar	116	1750	≤0.04
94	RENEWABLE GENERATOR	IEX	Solar	133	1750	≤0.04
95	RENEWABLE GENERATOR	IEX	Solar	127	1750	≤0.04
96	RENEWABLE GENERATOR	IEX	Solar	142	1750	≤0.04
97	RENEWABLE GENERATOR	IEX	Solar	129	1750	≤0.04

