

SCHEDULE 1. IDENTIFICATION

SURVEY CONTACTS: Persons to contact with question about this form

RESPONSE DUE DATE: Please submit by April 30th following the close of calendar year

Contact Jocelyn Gwynn
Title: Program Specialist ? Community Ch

REPORT FOR: Redwood Coast Energy Authority 60868
REPORTING PERIOD: 2017

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Supervisor Allison Campbell
Title: Manage of Power Resources

Logged By / Date:
Logged In: Receipt Date (mm/dd/yyyy):

Phone: (707) 269-1700 Ext. 346 FAX: Email: acampbell@redwoodenergy.org

1	Legal Name of Industry Participant	Redwood Coast Energy Authority	Submission Status/Date:	<input type="text" value="Submitted"/>	<input type="text" value="06/15/2018"/>
2	Current Address of Principal Business Office	633 3rd St Eureka CA 95501			
3	Preparer's Legal Name Operator (if different than line 1)				
4	Current Address of Preparer's Office (if different than line 2)				
5	Respondent Type (Check One)	<input type="checkbox"/> Federal <input type="checkbox"/> Political Subdivision <input type="checkbox"/> Municipal Marketing Authority <input type="checkbox"/> Cooperative <input type="checkbox"/> Independent Power Producer or Qualifying Facility	<input type="checkbox"/> State <input type="checkbox"/> Municipal <input type="checkbox"/> Investor-Owned <input type="checkbox"/> Retail Power Marketer (or Energy Service Provider) <input checked="" type="checkbox"/> Community Choice Aggregator	<input type="checkbox"/> Transmission <input type="checkbox"/> Behind the Meter <input type="checkbox"/> Wholesale Power Marketer <input type="checkbox"/> DSM Administrator	

For questions or additional information about the Form EIA-861 contact the Survey Manager: Fax: (202) 287 - 1938 Email: EIA-861@eia.gov
Stephen Scott Phone: (202) 586-5140 Email: stephen.scott@eia.gov

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 REPORT PERIOD ENDING: 2017

SCHEDULE 2. PART A. GENERAL INFORMATION

LINE NO.				
1	Regional North American Electric Reliability Council (Not applicable for power marketers)	<input type="checkbox"/> TRE (formerly ERCOT) <input type="checkbox"/> FRCC <input type="checkbox"/> MRO	<input type="checkbox"/> NPCC <input type="checkbox"/> RFC (formerly ECAR, MAIN. MAAC) <input type="checkbox"/> SERC	<input type="checkbox"/> SPP <input checked="" type="checkbox"/> WECC
2	Name of RTO or ISO	<input checked="" type="checkbox"/> California ISO <input type="checkbox"/> Electric Reliability Council of Texas <input type="checkbox"/> PJM Interconnection <input type="checkbox"/> New York ISO	<input type="checkbox"/> Southwest Power Pool <input type="checkbox"/> Midwest ISO <input type="checkbox"/> ISO New England <input type="checkbox"/> None	
3	(For EIA Use Only) Identify the North American Electric Reliability Council where you are physically located			
4	Did Your Company Operate Generating Plants(s)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
5	Identify The Activities Your Company Was Engaged In During The Year (Check appropriate activities)	<input type="checkbox"/> Generation from company owned plant <input type="checkbox"/> Transmission <input type="checkbox"/> Buying transmission services on other electrical system <input type="checkbox"/> Distribution using owned/leased electric wires	<input type="checkbox"/> Buying distribution on other electrical system <input checked="" type="checkbox"/> Wholesale power marketing <input checked="" type="checkbox"/> Retail power marketing <input type="checkbox"/> Bundled Services (electricity plus other services such as gas, water, etc. in addition to electric service))	
6	Highest Hourly Electrical Peak System Demand	Summer (Megawatts) 127.7 Winter (Megawatts) 115.9	Prior Year Prior Year	
7	Did Your Company Operate Alternative-Fueled Vehicles During the Year? Does Your Company Plan to Operate Such Vehicles During the Coming Year?	<input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No	
	Name: Title: Telephone: - - Fax: - - Email:			
	If "Yes", Please Provide Additional Contact Information			

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SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Sales to Ultimate Consumers	409,112
2	Purchases from Electricity Suppliers	441,532	12	Sales For Resale	
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	32,420
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	441,532	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	441,532

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SCHEDULE 2. PART C. ELECTRIC OPERATING REVENUE

LINE NO.	TYPE OF OPERATING REVENUE	(THOUSAND DOLLARS to the nearest 0.1)
1	Electrical Operating Revenue From Sales to Ultimate Customers (Schedule 4: Parts A, B, and D) \$	28,713.6
2	Revenue From Unbundled (Delivery) Customers (Schedule 4: Part C) \$	
3	Electric Operating Revenue from Sales for Resale \$	
4	Electric Credits/Other Adjustments \$	
5	Revenue from Transmission \$	
6	Other Electric Operating Revenue \$	
7	Total Electric Operating Revenue (sum of lines 1, 2, 3, 4, 5 and 6) \$	28,713.6

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**SCHEDULE 3. PART A.
DISTRIBUTION SYSTEM RELIABILITY DATA**

INSTRUCTIONS: For the purpose of this schedule, a distribution circuit is any circuit with a voltage of 34kV or below that emanate from a substation and that serves end use customers.

State/Territory

1	Total Number of Distribution Circuits	
2	Number of Distribution Circuits that employ voltage/VAR optimization (VVO)	

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**SCHEDULE 3. PART B.
 DISTRIBUTION SYSTEM RELIABILITY DATA**

Who is required to complete this schedule?

This schedule collects System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI) statistics. If your organization does not compute these indexes, answer 'no' to Question 1 and then skip to Schedule 4A. You do not have to complete any other part of this schedule 3B or 3C.

Should you complete Part B or Part C?

If your organization computes the SAIFI and SAIDI indexes and determines Major Event Days using the IEEE 1366-2003 or the IEEE 1366-2012 standard, answer 'YES' to Questions 1 and 2, and complete Part B. Then skip to Schedule 4A. (You do not complete Schedule 3, Part C.)

If your organization does not use the IEEE 1366-2003 or the IEEE 1366-2012 standard but calculates SAIDI and SAIFI indexes via other method, answer 'yes' to question 1 and 'no' to question 2 and complete Part C. Then go to Schedule 4A.

- 1 Do you calculate SAIDI and SAIFI by any method? If Yes, go to Question 2. If No, go to Schedule 4, Part A. Yes No
- 2 Do you calculate SAIDI and SAIFI and determine Major Event Days using the IEEE1366-2003 standard or IEEE-2012 standard? If Yes, complete Part B. If No, go to complete Part C. Yes No

Part B: SAIDI and SAIFI in accordance with IEEE 1366-2003 standard or IEEE 1366-2012 standard

State

3a. SAIDI value including Major Event days

3b. SAIDI value excluding Major Event days

4 SAIDI value including Major Event days minus loss of supply

5a. SAIFI value including Major Event days

5b. SAIFI value excluding Major Event days

6. SAIFI value including Major Event days minus loss of supply

7. Total number of customers used in these calculations

8. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system? (kV)

9. Do you receive information about a customer outage in advance of a customer reporting it? Yes No

Thank You for completing this part. Skip Part C and go directly to Schedule 4 Part A.

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Part C: SAIDI and SAIFI calculated by other methods

State

10a. SAIDI value including Major Events

10b. SAIDI value excluding Major Events

11a. SAIFI value including Major Events

11b. SAIFI value excluding Major Events

12. Total number of customers used in these calculations

13. Do you include inactive accounts?

Yes

No

14. How do you define momentary interruptions

Less than 1 min.

Less than 5 min.

Other

15. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system?

kv

16. Is information about customer outages recorded automatically?

Yes

No

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SCHEDULE 4. PART A. SALES TO ULTIMATE CUSTOMERS. FULL SERVICE - ENERGY AND DELIVERY SERVICE (BUNDLED)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
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State	Balancing Authority				
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Revenue (thousand dollars)

Megawatthours

Number of Customers

Are your rates decoupled?

Yes No

Yes No

Yes No

Yes No

If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?

N automatic

N automatic

N automatic

N automatic

N proceeding

N proceeding

N proceeding

N proceeding

Cents/Kwh

State

Revenue (thousand dollars)

Megawatthours

Number of Customers

Are your rates decoupled?

If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?

Cents/Kwh

Total

Revenue (thousand dollars)

Megawatthours

Number of Customers

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SCHEDULE 4. PART B. SALES TO ULTIMATE CUSTOMERS. ENERGY -- ONLY SERVICE (WITHOUT DELIVERY SERVICE)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State CA Balancing Authority 2775					
Revenue (thousand dollars)	13,705.7	11,103.2	3,904.7	0.0	28,713.6
Megawatthours	209,196	145,790	54,126	0	409,112
Number of Customers	46,822	4,196	838	0	51,856
Cents/Kwh	6.552	7.616	7.214		7.019

State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total					
Revenue (thousand dollars)	13,705.7	11,103.2	3,904.7	0.0	28,713.6
Megawatthours	209,196	145,790	54,126	0	409,112
Number of Customers	46,822	4,196	838	0	51,856

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SCHEDULE 4. PART C. SALES TO ULTIMATE CUSTOMERS. DELIVERY -- ONLY SERVICE (AND OTHER RELATED CHARGES)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State	Balancing Authority				
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total

Revenue (thousand dollars)

Megawatthours

Number of Customers

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SCHEDULE 4. PART D. BUNDLED SERVICE BY RETAIL ENERGY PROVIDERS AND POWER MARKETERS

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State	Balancing Authority				
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total
Revenue (thousand dollars)
Megawatthours
Number of Customers

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SCHEDULE 5. MERGERS and/or ACQUISITIONS

Mergers and/or acquisitions during the reporting month

If Yes, Provide:

Date of Merger or Acquisition

Company merged with or acquired

Name of new parent company

Address

City

State, Zip

New Contact Name

Telephone No.

Email address

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SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy Efficiency

If you have a non utility DSM administrator that reports your DSM activity for you please select them from the list

State/Territory	Balancing Authority					Total
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	TRANS		
	(a)	(b)	(c)	(d)	(e)	
Reporting Year Incremental Annual Savings						
1	Energy Savings (MWh)					
2	Peak Demand Savings (MW)					
Increment Life Cycle Savings						
3	Energy Savings (MWh)					
4	Peake Demand Savings (MW)					
Reporting Year Incremental Costs						
5	Customer Incentives					
6	All other costs					
Incremental Life Cycle Costs						
7	Customer Incentives					
8	All other costs					
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life					

Please provide website address to your energy efficiency program reports:

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SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS

DMS Administration only. List all utilities that you provide service for.

State	Utility Name
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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	Balancing Authority	(a)	(b)	(c)	(d)	(e)
		Residential	Commercial	Industrial	Transportation	Total
1	Number of Customers Enrolled					
2	Energy Savings (Mwh)					
3	Potential Peak Demand Savings (MW)					
4	Actual Peak Demand Savings (MW)					

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5	Customer Incentives	
6	All other costs	
7	If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?	

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SCHEDULE 6. PART C. DYNAMIC PRICING PROGRAMS
Number of Customers

INSTRUCTIONS: Report the number of customers participating in dynamic pricing programs, e.g. Time-of-Use-Pricing, Real-Time-Pricing, Variable Peak Pricing, Critical Peak Pricing Programs.

State/Territory

Balancing Authority

Residential
(a)

Commercial
(b)

Industrial
(c)

Transportatio
(d)

Total
(e)

1 Number of Customers enrolled in dynamic pricing programs, by customer class

Types of Dynamic Pricing Programs

INSTRUCTIONS: For each customer class, mark the types of dynamic pricing programs in which the customers are participating.

Residential
(a)

Commercial
(b)

Industrial
(c)

Transportatio
(d)

2	Time-of-Use Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3	Real-Time Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4	Variable Peak Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	Critical Peak Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	Critical Peak Rebate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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SCHEDULE 6. PART D. ADVANCED METERING

Only customers from schedule 4A and 4C need to be reported on this schedule.
 AMR- data transmitted one-way, to the utility.
 AMI- data transmitted in both directions, to the utility and customer

State	Balancing Authority					Total (e)
		Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	
1	Number of AMR Meters					
2	Number of AMI Meters					
3	Number of AMI Meters with home area network (HAN) gateway enabled					
4	Number of non AMR/AMI Meters					
5	Total Number of Meters (All Types), line 1+2+4					
6	Energy Served Through AMI					
7	Number of Customers able to access daily energy usage through a webportal or other electronic means					
8	Number of customers with direct load control					

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SCHEDULE 7. PART A. NET METERING

Net Metering programs allow customers to sell excess power they generated back to the electrical grid to offset consumption. Provide the information about programs by State balancing authority, customer class, and technology for all net metering applications.

State	Balancing Authority	Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	Total (e)
	Net Metering Installed Capacity (MW)					
	Net Metering Installations					
	Storage Installed Capacity (MW)					
	Storage Installations					
Photovoltaic	Virtual NM Installed Capacity (1 MW and greater)					
	Virtual NM Customers (1 MW and greater)					
	Virtual NM Installed Capacity (less than 1MW)					
	Virtual NM Customers (less than 1MW)					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					
	Installed Net Metering Capacity (MW)					
Wind	Number of Net Metering Customers					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					
	Installed Net Metering Capacity (MW)					
Other	Number of Net Metering Customers					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					
	Installed Net Metering Capacity (MW)					
Total	Number of Net Metering Customers					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					
Grand Total All States	Net Metering Installed Capacity (MW)					
	Net Metering Installations/customers					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					

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SCHEDULE 7. PART B. NON NET-METERED DISTRIBUTED GENERATORS

If your company owns and/or operates a distribution system, please report information on known distributed generation (grid connected/synchronized) capacity on the system. Such capacity must be utility or customer-owned

NUMBER AND CAPACITY

State	Balancing Authority	< 1MW
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- | | |
|---------------------------------|--|
| 1. Number of generators | 3. Capacity that consists of backup-only units |
| 2. Total combined capacity (MW) | 4. Capacity owned by respondent |

Capacity by Technology and Sector (MW)

	Residential	Commercial	Industrial	Transportation	Direct Connected	Total
5. Internal combustion						
6. Combustion turbine(s)						
7. Steam turbine(s)						
8. Fuel Cell(s)						
9. Hydroelectric						
10. Photovoltaic						
11. Storage						
12. Wind turbine(s)						
13. Other						
14. Total						

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SCHEDULE 8. DISTRIBUTION SYSTEM INFORMATION

If your company owns a distribution system, please identify the names of the counties (parish, etc.) by State in which the electric wire/equipment are located.

LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)	LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)
1	-				

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SCHEDULE 9. COMMENTS

SCHEDULE	PART	LINE NO.	COLUMN	NOTES
(a)	(b)	(c)	(d)	(e)

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EIA861 ERROR LOG

Part	State	BA ID	Error No.	Error Description/Override Comment	Type	Override
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