DOCKETED				
Docket Number:	24-PSDP-01			
Project Title:	Power Source Disclosure Program - 2023			
TN #:	261306			
Document Title:	2023 Power Content Label for Calpine Energy Solutions, LLC			
Description:	N/A			
Filer:	Bryan White			
Organization:	Calpine Energy Solutions, LLC			
Submitter Role:	Applicant			
Submission Date:	1/27/2025 3:13:30 PM			
Docketed Date:	1/27/2025			

http://www.calpinesolutions.com Greenhouse Gas Emissions Intensity (lbs CO_2e/MWh) Energy Resources Solutions' Power Mix 2023 CA Power Mix Solutions' Power Mix 2023 CA Utility Average Eligible Renewable ¹ Biomass & Biowaste 39.3% 36.9% 598 373 Eligible Renewable ¹ Biomass & Biowaste 39.3% 36.9% 1000	2023 POWER CONTENT LABEL						
Greenhouse Gas Emissions Intensity (Ibs CO2e/MWh) Energy Resources Solutions' Power Mix 2023 CA Power Mix Solutions' Power Mix 2023 CA Utility Average Eligible Renewable ¹ Biomass & Biowaste Geothermal 39.3% 36.9% 1000 598 373 Eligible Renewable ¹ Biomass & Biowaste Geothermal 2.8% 4.8% 1000 Solutions' Power Mix Solutions' Power Mix 1.3% 1.8% 1000 Solutions' Power Mix Solutions' Power Mix 0.0% 1.8% 1000 Vind Coal 0.0% 3.6% 11.7% Nuclear 0.0% 0.0% 100.0% 0.0% 3.7% 0.0% 11.7% Nuclear 0.0% 3.7% 101 Retired Unbundled RECs ³ : 4% 100.0% 1 The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.	Calpine Energy Solutions, LLC						
Solutions' Power Mix 2023 CA Utility Average Eligible Renewable1 Biomass & Biowaste Geothermal 39.3% 36.9% 598 373 Biomass & Biowaste Geothermal 0.6% 2.1% 1000	Greenhouse Gas Emissions			Solutions'			
598 373 1000 Geothermal 1000 Solutions' 900 Solutions' Power Mix Wind 400 Power Mix 400 Solutions' 900 Power Mix 400 Solutions' 900 Power Mix 400 Solutions' 900 Solutions' 900 Power Mix 400 Solutions' 900 Solutions' 900 Solutions' 900 Power Mix Average Coal Large Hydroelectric 1.5% Natural Gas 0.0% Nuclear 0.0% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 1 100.0% 1 100.0% 1 <			Eligible Renewable ¹	39.3%	36.9%		
1000 Solutions' 800 Solutions' 900 Power Mix 600 Solar 400 Solar 200 Solar 201 Solar 202 Solar 203 CA Utility Natural Gas Nuclear Other O.0% Unspecified Power ² Sol3% TOTAL 100.0% 100.0% 100.0% Percentage of Retail Sales Covered by 4% 1 The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is no			Biomass & Biowaste	0.6%	2.1%		
1000 Solar 24.7% 17.0% 800 Solar Wind 9.8% 11.2% 600 Power Mix Large Hydroelectric 0.0% 1.8% 400 2023 CA Utility Natural Gas 0.0% 36.6% Nuclear 0.0% 9.3% 0.1% 0 Average Other 0.0% 0.1% Unspecified Power ² 59.3% 3.7% 0.0% 0.1% Percentage of Retail Sales Covered by 4% 4% 100.0% 100.0% Percentage of Retail Sales Covered by 4% 4% 100.0% 100.0% 11 The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. 4% 100.0% 100.0% 2 ¹ Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. 3 3 3 ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) are not reflected in the power mix or GHG emissions intensities above. 1.877-273-6772 For specific information about this electricity portfolio, contact: 1.877-273-6772 1.877-273-6772<	598	373	Geothermal	2.8%	4.8%		
Solar Wind Solar Wind Coal Large Hydroelectric Natural Gas Nuclear Other Unspecified Power ² TOTAL Percentage of Retail Sales Covered by Retired Unbundled RECs ³ : The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable generation source. ³ Renewable energy credits (RECs) represent renewable generation. Unbundled renewable generation source. ³ Renewable energy credits (RECs) represent renewable generation. Unbundled renewable generation source. ³ Renewable energy credits (RECs) represent renewable generation. Unbundled renewable generation source. ³ Renewable energy credits (RECs) represent renewable generation. Unbundled renewable generation source. ³ Renewable energy credits (RECs) represent renewable generation. Unbundled renewable generation source. ³ Renewable energy credits (RECs) represent renewable generation. Unbundled renewable generation source. For specific information about this electricity portfolio, contact: Tor general information about the https://www.energy.ca.gov/programs-and-	1000	-	Eligible Hydroelectric	1.3%	1.8%		
600 0.0% 1.8% 400 2023 CA Utility Average 0.0% 1.5% 0 0 0.0% 36.6% Nuclear 0.0% 0.0% 36.6% 0.0% 0.0% 36.6% 0.0% 0.0% 36.6% Nuclear 0.0% 0.0% 9.3% 0 0 0 0.0% 0.1% 0 0 0 0.0% 0.0% 0.0% 0 0 0 0.0% 0.0% 0.0% 0 0 0 0.0% 0.0% 0.0% 0 0 0 0.0% 0.0% 0.0% 0 0 0 0.0% 0.0% 0.0% 0 0 0.0% 0.0% 0.0% 0.0% 1 Inspecified Power ² 59.3% 3.7% 0.0% 1 The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. 4% 2 Unspecified power is electricity that has been purchased through open market transactions and is not traceable	1000		Solar	24.7%	17.0%		
600 0 1.5 % 11.7 % 400 0 2023 CA Utility Large Hydroelectric 1.5 % 11.7 % Natural Gas Nuclear 0.0 % 9.3 % 0.0 % 9.3 % 0 0 0 0 0.0 % 9.3 % 0.0 % 0.1 % Unspecified Power ² 0.0 % 0.0 % 0.1 % 0.0 % 0.1 % Percentage of Retail Sales Covered by 0.0 % 0.0 % 0.0 % 0.0 % Percentage of Retail Sales Covered by 4% 4% 100.0 % 100.0 % 1 ⁻¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. 4% 1 ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. 3 3 3 ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: https://www.energy.ca.gov/programs-and- <td>800</td> <td>Solutions'</td> <td>Wind</td> <td>9.8%</td> <td>11.2%</td>	800	Solutions'	Wind	9.8%	11.2%		
400 -2023 CA Utility Natural Gas 0.0% 36.6% Nuclear 0.0% 9.3% Other 0.0% 0.1% Unspecified Power ² 59.3% 3.7% TOTAL 100.0% 100.0% Percentage of Retail Sales Covered by 4% Retired Unbundled RECs ³ : 4% ¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC 1-877-273-6772 For general information about the https://www.energy.ca.gov/programs-and-	600	Power Mix	Coal	0.0%	1.8%		
400 -2023 CA Utility Average Nuclear Other 0.0% 9.3% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 59.3% 3.7% TOTAL 100.0% 100.0% 100.0% Percentage of Retail Sales Covered by Retired Unbundled RECs ³ : 4% 4% 1 ⁻¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. 4% ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. 3 ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC For general information about the https://www.energy.ca.gov/programs-and-	600		Large Hydroelectric	1.5%	11.7%		
200 Average Other 0.0% 0.1% 0 0 100.0% 0.1% 100.0% 59.3% 3.7% 100.0% 100.0% 100.0% Percentage of Retail Sales Covered by Retired Unbundled RECs ³ : 4% 1 ⁻¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC 1-877-273-6772 For general information about the https://www.energy.ca.gov/programs-and-	400 —		Natural Gas	0.0%	36.6%		
0 Unspecified Power ² 0.0% 0.1% 0 Unspecified Power ² 59.3% 3.7% 100.0% 100.0% 100.0% Percentage of Retail Sales Covered by Retired Unbundled RECs ³ : 1 ⁻¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC 1-877-273-6772 For general information about the https://www.energy.ca.gov/programs-and-			Nuclear	0.0%			
TOTAL 100.0% 100.0% Percentage of Retail Sales Covered by Retired Unbundled RECs ³ : 4% ¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. 4% ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. 3Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC 1-877-273-6772 For general information about the https://www.energy.ca.gov/programs-and-	200 — —		••	0.0%			
Percentage of Retail Sales Covered by Retired Unbundled RECs ³ : 4% ¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. 4% ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. 3Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC 1-877-273-6772 For general information about the https://www.energy.ca.gov/programs-and-	0		Unspecified Power ²				
4% 1 The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. 2 Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. 3 Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: 1-877-273-6772 For general information about the	_		_	100.0%	100.0%		
 ¹The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ²Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC 1-877-273-6772 For general information about the <u>https://www.energy.ca.gov/programs-and-</u> 	Perce	-	-	4%			
using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: For general information about the <u>https://www.energy.ca.gov/programs-and-</u>							
 ²Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC 1-877-273-6772 For general information about the https://www.energy.ca.gov/programs-and- 							
not traceable to a specific generation source. ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: Calpine Energy Solutions, LLC 1-877-273-6772 For general information about the https://www.energy.ca.gov/programs-and-							
 ³Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above. For specific information about this electricity portfolio, contact: For general information about the <u>https://www.energy.ca.gov/programs-and-</u> 							
electricity portfolio, contact: 1-877-273-6772 For general information about the https://www.energy.ca.gov/programs-and-	Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG						
Power Content Label, visit: topics/programs/power-source-disclosure-program	•						