ABRADEE 2019

English Version

ABRADEE

ASSOCIAÇÃO BRASILEIRA DE DISTRIBUIDORES DE ENERGIA ELÉTRICA

The Brazilian Electricity Distributors Association (Abradee) is a non-profit civil organization whose history originates with the creation of the Distributors Committee (CODI) in August 1975, and later in 1995, there was the legal constitution of the Association. It has now been more than **44 years** dedicated to the development of the Brazilian electricity distribution sector.

The Association brings together **41** electricity distribution concessionaires – private and state owned – with operations in all regions of the country, and which together are responsible for serving 99.6% of Brazilian consumers.

Being the distribution sector the end supplier of electricity to many consumers (residential, industrial, public services etc.), Abradee has as its core **values**:

- High ethical standards;
- Business sustainability of all associates;
- Quality services for our clients;
- The development of Brazil;

For that, search:

- Ensuring the distribution business sustainability;
- Feasible conditions for investments aim at operational efficiency of the distribution system;
- Continuously improve the quality of the service provided to the consumer by the distributors;
- Working for a more just and adequate electricity rate;

The institution **mission** is to contribute for the development of the country through a more sustainable and efficient distribution sector, with recognized quality of services supplied to consumers.

Our **vision** consists of aggregating value for the distribution companies, for customers and for the country, being at the same time an effective agent for the development of the electricity industry.

For over four decades, Abradee has been contributing for the improvement of electricity distribution services rendered to the Brazilian population

Abradee and its associates

Abradee acts as a facilitator of the relationship between electricity distributors and other industry's agents/entities.

Abradee does not work directly with end consumers. However, its members actions are influenced by the constant pursuit of excellence in the provisioning of electricity distribution services.

Concerning its activities, ABRADEE is organized into Committees and Working Groups - WG, defined in terms of specific issues to be addressed. The main committees are: Benchmarking; Commercial; Communication; Financial; Legal; Technical. The main working groups (WG) are: Parliamentary articulation; Energy purchase; Energy Efficiency; Measurement; Satisfaction surveys; Quality, Environmental Responsibility; Rates; R&D.

BRAZILIAN ELECTRICITY DISTRIBUTION INDUSTRY | 2018

Consumers	**83.6 milion** Population: 208,5 milion
Number of connections/year	**1.21 milion**
Universalization	**99.8% of households**
Employees	**199.1 thousand**
Gross Revenue	**R$ 261 billion**
Charges and Taxes *Free and regulated markets	**R$ 97 billion**
Energy Demand *Free and regulated markets	**453.1 thousand GWh** (309.4 thousand GWh – regulated)
Gross Revenue/GDP	**3.9%**
Annual Investments	**R$ 16.1 billion**
Quality Satsfaction Index	**70.3 %** (may/2019)

Even under significant political and economic instability, universalization of quality electricity accessis our goal, to which we are very close; therefore, the electricity distribution industry invested, in 2017 only, approximately **BR$ 16.1 billion.**

Electricity Distribution Investment

ALLOCATION OF COLLECTED RESOURCES IN THE ELECTRICITY BILL

COST STRUCTURE - 2017/2018 WITH TARIFF FLAGS

Quality of Electricity Supply

Quality indicators have shown improvement. In particular, reduction of **67%** in the Interruption Frequency Index (SAIFI) and **54%** in the Duration Index (SAIDI), and **14%** in the SAIFI and **12%** in the SAIDI of 2018 in relation to 2017.

Evolution Of Quality Of Supply Indicators

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Source: ANEEL (extracted on 06.05.2019; from 2006 on, with removal of critical days and emergency situations)

Consumer Satisfaction

Evolution of Perceived Quality Satisfaction Index (ISQP)

MARKET DATA OF DISTRIBUTION COMPANIES (ABRADEE ASSOCIATES)

DISTRIBUTORS	NUMBER OF CONSUMERS - December 2018							ELECTRICITY DEMAND in GWh - 2018						
	Res.	Ind.	Com.	Rural	Others	Total	Percentage of Total %	Res.	Ind.	Com.	Rural	Others	Total	Percentage of Total %
AMAZONAS ENERGIA	865,573	2,635	76,891	43,671	11,499	1,000,269	1.20	2,025	586	1,053	78	828	4,570	1.48
CEA	182,254	369	17,839	2,171	2,329	204,962	0.24	545	88	255	4	160	1,053	0.34
CEB	946,964	1,441	115,005	10,654	6,856	1,080,920	1.29	2,241	105	1,753	137	1,346	5,581	1.80
CEEE	1,461,349	13,028	149,843	90,994	8,898	1,724,112	2.06	3,002	511	1,832	630	813	6,789	2.19
CELESC	2,335,964	106,825	271,240	234,753	27,690	2,976,472	3.56	5,659	2,521	3,182	1,404	1,450	14,214	4.59
CELPA	2,271,725	3,998	175,150	170,612	22,097	2,643,582	3.16	3,672	579	1,526	276	1,307	7,361	2.38
CELPE	3,269,002	4,744	228,092	161,249	32,809	3,695,896	4.42	4,931	1,083	2,468	652	1,752	10,886	3.52
CEMAR	2,242,671	7,709	148,574	60,322	32,474	2,491,750	2.98	3,203	248	1,033	196	1,163	5,844	1.89
CEMIG	6,827,491	72,941	728,367	713,308	84,956	8,427,063	10.07	10,273	2,584	5,219	3,631	3,615	25,321	8.18
CERON	463,977	1,612	42,515	128,463	5,428	641,995	0.77	1,249	311	634	334	436	2,963	0.96
COELBA	5,267,036	14,195	396,047	231,616	79,316	5,988,210	7.16	7,022	1,576	3,299	1,951	2,669	16,517	5.34
COPEL	3,754,598	73,070	400,209	352,074	57,853	4,637,804	5.54	7,232	2,929	4,636	2,285	2,480	19,562	6.32
COSERN	1,262,000	1,405	99,229	62,172	23,903	1,448,709	1.73	2,154	317	978	433	749	4,629	1.50
CPFL PAULISTA	4,032,812	27,241	240,318	81,246	41,768	4,423,385	5.29	9,426	2,548	4,210	1,264	3,023	20,471	6.62
CPFL PIRATININGA	1,618,156	5,850	80,055	7,268	11,746	1,723,075	2.06	3,905	1,147	1,774	108	831	7,766	2.51
CPFL SANTA CRUZ	394,862	3,322	24,552	24,397	5,193	452,326	0.54	800	407	331	284	294	2,116	0.68
DMED	69,579	213	5,472	713	579	76,556	0.09	126	49	71	7	43	296	0.10
EDP ES	1,220,718	11,133	124,835	193,557	13,762	1,564,005	1.87	2,301	595	1,281	789	877	5,842	1.89
EDP SP	1,722,917	13,041	128,403	7,915	13,897	1,886,173	2.25	3,748	1,296	1,919	82	897	7,940	2.57
ELEKTRO	2,281,566	21,330	192,297	134,276	28,832	2,658,301	3.18	4,593	1,608	2,219	977	1,409	10,807	3.49
ELETROACRE	209,288	554	22,207	27,831	3,849	263,729	0.32	465	40	204	51	240	1,000	0.32
ENEL CE	2,788,914	5,193	166,904	529,783	48,223	3,539,017	4.23	4,374	705	1,922	1,243	1,554	9,800	3.17
ENEL GO	2,588,714	9,319	217,449	189,646	21,774	3,026,902	3.62	4,746	1,069	2,184	1,441	1,611	11,051	3.57
ENEL RJ	2,428,470	3,791	151,918	64,024	17,885	2,666,088	3.19	4,753	274	1,931	235	1,376	8,570	2.77
ENEL SP	6,766,167	26,129	402,820	544	19,076	7,214,736	8.62	16,176	3,134	10,448	11	2,530	32,299	10.44
ENERGISA BO	180,473	548	14,986	15,153	1,584	212,744	0.25	245	69	139	24	82	560	0.18
ENERGISA MG	340,037	3,361	35,468	71,349	5,144	455,359	0.54	517	128	225	190	164	1,223	0.40
ENERGISA MS	829,446	7,677	78,972	89,021	12,992	1,018,108	1.22	1,844	304	1,030	548	633	4,359	1.41
ENERGISA MT	1,092,439	18,883	94,316	183,128	14,589	1,403,355	1.68	2,834	642	1,543	1,192	956	7,166	2.32
ENERGISA NF	95,557	741	10,237	1,192	560	108,287	0.13	163	29	64	5	35	296	0.10
ENERGISA PB	1,173,737	3,931	93,943	134,044	18,427	1,424,082	1.70	1,698	313	699	288	724	3,722	1.20
ENERGISA SE	700,924	955	44,524	22,151	7,793	776,347	0.93	1,046	201	509	122	559	2,437	0.79
ENERGISA SS	664,468	4,230	61,451	45,371	8,544	784,064	0.94	1,430	349	722	315	472	3,288	1.06
ENERGISA TO	485,718	1,625	32,768	57,276	9,071	586,458	0.70	974	163	395	222	351	2,105	0.68
EQTL ALAGOAS	1,064,802	2,319	67,208	12,703	11,004	1,158,036	1.38	1,434	250	689	185	628	3,187	1.03
EQTL PIAUÍ	1,095,787	2,888	89,975	34,227	23,268	1,246,145	1.49	1,656	164	725	174	605	3,324	1.07
LIGHT *	4,092,836	10,109	327,095	12,387	15,188	4,457,615	5.33	8,600	697	5,598	63	3,498	18,456	5.96
RGE **	2,380,633	19,570	179,973	247,943	24,896	2,853,015	3.41	5,487	2,048	2,315	1,764	1,407	13,021	4.21
RORAIMA ENERGIA	130,477	406	12,399	17,696	2,453	163,431	0.20	482	23	212	46	174	937	0.30
SANTA MARIA	68,956	1,286	8,710	31,655	1,176	111,783	0.13	133	58	82	147	49	470	0.15
SULGIPE	130,679	584	10,259	4,909	1,658	148,089	0.18	125	95	43	15	56	334	0.11
ABRADEE (41)	71,799,736	510,201	5,768,515	4.503,464	781,039	83,362,955	99.6	137,291	31,842	71,351	23,804	43,845	308,133	99.6
OTHERS (12)	241,252	2,432	25,386	24,003	3,070	296,143	0.35	484	258	271	121	142	1,276	0.41
TOTAL (53)	72,040,988	512,633	5,793,901	4,527,467	784,109	83,659,098		137,774	32,100	71,622	23,925	43,988	309,409	
Market Share %	86.11	0.61	6.93	5.41	0.94			44.53	10.37	23.15	7.73	14.22		

Abradee Associates

AC	ELETROACRE	Companhia de Eletricidade do Acre S.A
AL	EQTL ALAGOAS	Equatorial Energia Alagoas
AM	AMAZONAS ENERGIA	Amazonas Energia S.A
AP	CEA	Companhia de Eletricidade do Amapá
BA	COELBA	Companhia de Eletricidade do Estado da Bahia
CE	ENEL CE	Enel Distribuição Ceará
DF	CEB-D	CEB Distribuição S.A
ES	EDP ES	EDP Espírito Santo Distribuição de Energia Elétrica S.A
	SANTA MARIA	Empresa Luz e Força Santa Maria S.A
GO	ENEL-GO	Enel Distribuição Goiás
MA	CEMAR	Companhia Energética do Maranhão
MG	CEMIG-D	CEMIG Distribuição S.A
	DMED	DME Distribuição S.A
	ENERGISA MG	Energisa Minas Gerais - Distribuidora de Energia S.A
MS	ENERGISA MS	Energisa Mato Grosso do Sul - Distribuidora de Energia S.A
MT	ENERGISA MT	Energisa Mato Grosso - Distribuidora de Energia S.A
PA	CELPA	Centrais Elétricas do Pará S.A
PB	ENERGISA BO	Energisa Borborema – Distribuidora de Energia S.A
	ENERGISA PB	Energisa Paraíba – Distribuidora de Energia S.A
PE	CELPE	Companhia Energética de Pernambuco
PI	EQTL PIAUÍ	Equatorial Energia Piauí
PR	COPEL-DIS	Copel Distribuição S.A
RJ	ENEL RJ	Enel Distribuição Rio
	LIGHT	Light Serviços de Eletricidade S.A.
	ENERGISA NF	Energisa Nova Friburgo - Distribuidora de Energia S.A
RN	COSERN	Companhia Energética do Rio Grande do Norte
RO	CERON	Centrais Elétricas de Rondônia S.A
RR	RORAIMA ENERGIA	Roraima Energia
RS	CEEE-D	Companhia Estadual de Distribuição de Energia Elétrica
	RGE	Rio Grande Energia S.A
SC	CELESC-D	Celesc Distribuição S.A
SE	ENERGISA SE	Energisa Sergipe - Distribuidora de Energia S.A
	SULGIPE	Companhia Sul Sergipana de Eletricidade
SP	CPFL PAULISTA	Companhia Paulista de Força e Luz
	CPFL PIRATININGA	Companhia Piratininga de Força e Luz
	CPFL SANTA CRUZ	Companhia de Luz e Força Santa Cruz
	ENEL SP	Enel Distribuição São Paulo
	EDP SP	EDP São Paulo Distribuição de Energia Elétrica S.A
	ELEKTRO	Elektro Redes S.A
	ENERGISA SS	Energisa Sul - Sudeste - Distribuidora de Energia S.A
TO	ENERGISA TO	Energisa Tocantins - Distribuidora de Energia S.A

iABRADEE
INSTITUTO ABRADEE DA ENERGIA

Instituto Abradee of Energy was created in 2005, which holds currently the title Civil Society Organization of Public Interest (OSCIP) and has, among its statutory activities:

- To promote, organize and develop training, courses, internships, seminars, conferences, exhibitions, lectures and other technical events;
- Promoting dialogue and interaction between the various segments of the power sector;
- Conduct studies and research to develop alternative technologies and production / dissemination of technical/scientific knowledge related to sustainable development, culture, education, social responsibility, combating poverty and promoting social assistance.

The main project developed by iABRADEE is Abradee Award , given annually to the best Brazilian distributors.

Through this project the distributors are encouraged to improve their performance to achieve improvement of service to its customers.

Among the R & D projects already carried out can be cited studies on smart grids, economic regulation and analytical information of the electricity sector system.

ABRADEE
SCN - Quadra 02 - Bloco D -Torre A
Sala 1101 - Edifício LibertyMall
CEP: 70712-903 - Brasília - DF - Brasil
Tel: 55 61 3326-1312
Fax: 55 61 3315-9327
abradee@abradee.org.br
www.abradee.org.br

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