# Endesa Colombia Results AS OF JUNE 30, 2012











#### 1. Who is Endesa Colombia?

- 2. 2Q 2012 Results
  - Operational
  - Financial

- 3. El Quimbo Project Update
- 4. Q&A



#### **Enel and Endesa Worldwide**

Large integrated player in electricity and gas





- Installed capacity of 40.099 MW
- Presence in 10 countries worldwide
- More than 25 million clients

Chile



## Endesa 2012-2016 Strategic Plan Update

**Consolidate leadership position in Latin America** 

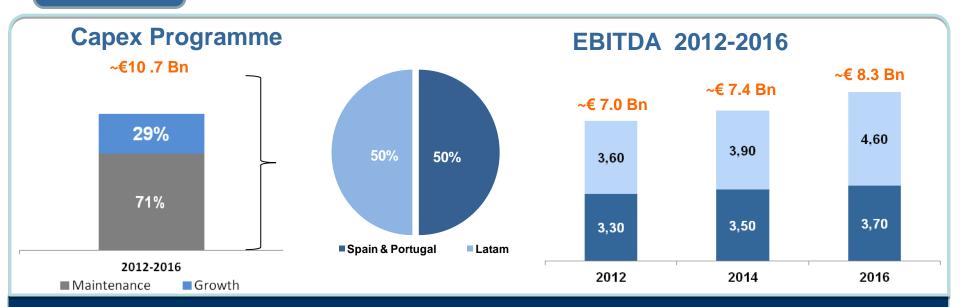
Organic growth opportunities

Cash optimization

Structure optimization

Operational Excellence

- Generation: ~1.1 GW additional installed capacity (Bocamina II 370 MW, Quimbo 400 MW, Talara 183 MW, Casalaco 144 MW) and increasing pipeline
- Distribution: ~1.8 million new clients over the period
- Cash optimization: Selective "just in time" investments
- Optimize companies tariffs reviews
- Pursue new regulatory model in Argentina
- Capture opportunities to optimize current structure
- Synergies and Zenith Plan, Operational excellence





#### Who is Endesa in Colombia?

Latam and Colombia: Relevant assets and increasing participation within the Endesa Group





#### 1. Who is Endesa Colombia?

## 2. 2Q 2012 Results

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## **Emgesa's Generation**

Operational strength, efficiency and diversification

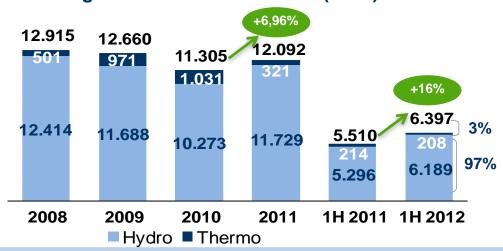
#### **Availability:**

2011: 89% (+4.6%)

1H 2012: 88% (+1.44% vs. 1H 2011 at 87%)

Reliability, efficiency and accomplishment of maintenance requirements

#### **Emgesa Historical Generation (GWh)**



#### Market share in installed capacity:

2011: 20%

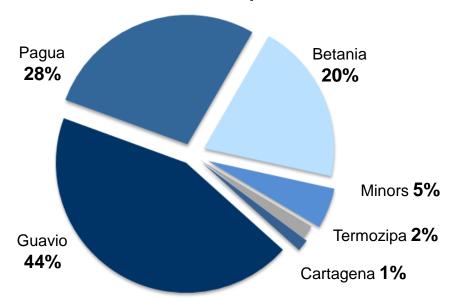
1H 2012: 20%

Market share in generation:

2011: 21%

1H 2012: 22%

#### **Generation Plants Participation 1H 2012**





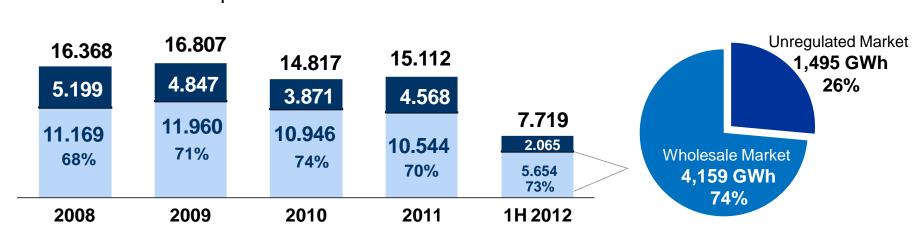
## **Emgesa's Commercial Policy**

Optimal mix between contracts and spot sales to minimize margin volatility

#### **Energy Sales By Type**

(GWh)





<sup>\*</sup>Sales in spot market include AGC

AGC: (Automatic Generation Control) means the secondary frequency regulation represented in fees paid to electricity generators by XM (Colombian Administrator of the Commercial Exchange System) acting on behalf of electricity generators in the Wholesale energy market, for implementing technology that moderates the frequency of electricity in order to guarantee the quality of electricity along the National Transmission System

#### Contract sales: ~73% of total sales

Commercial policy that contributes with revenue and cash flow stability under extreme hydrological scenarios

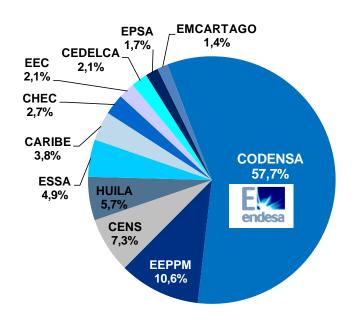


## Emgesa's sales

Efficiency and competitiveness that support future revenues

## Main Wholesale Market Clients (2Q 2012)

(% of sales to wholesale market in terms of GWh)

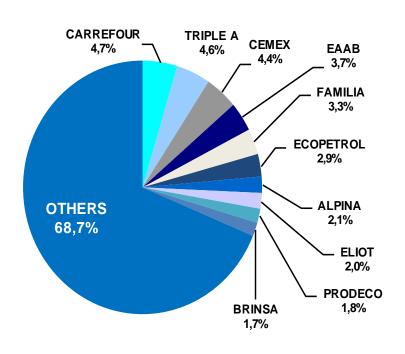


## Total Wholesale Contract Sales: 4,159 GWh 74% of Total Contract Sales

• As of June 30, 2012

# Main Unregulated Market Clients (2Q 2012)

(% of sales to unregulated market in terms of GWh)

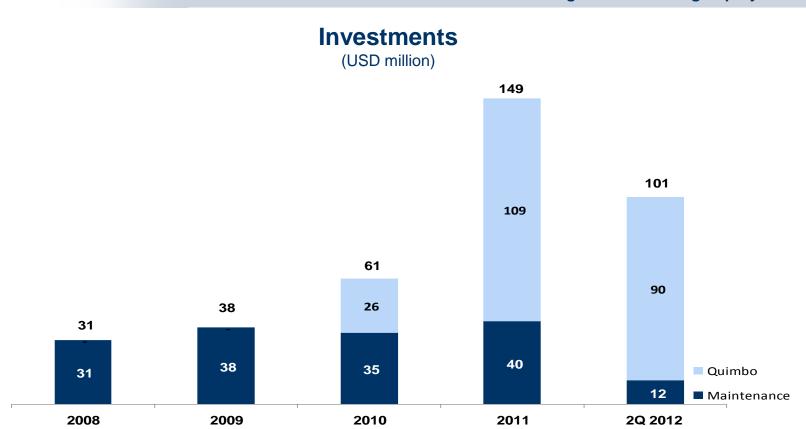


Total Unregulated Mkt.Sales: 1,495 GWh 26% of Total Contract Sales



## **Emgesa's Investments**

Investment growth according to project execution



Investments mainly focused in El Quimbo project and the preventive maintenance of hydro and thermo plants to guarantee their availability and reliability.

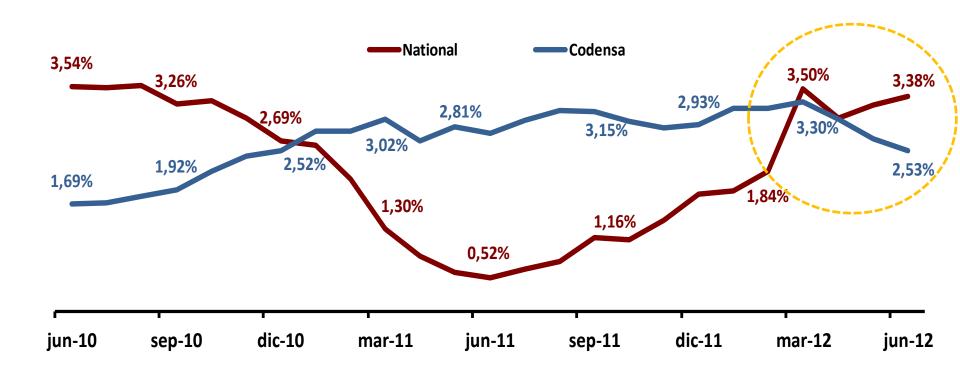
Figures were converted into USD using the official COP/USD FX rate (TRM) applicable on the last day of the month.



### Demand by Markets in Codensa's Area

Positive trend in demand growth due to economic recovery

#### National Demand vs. Codensa's Area Demand

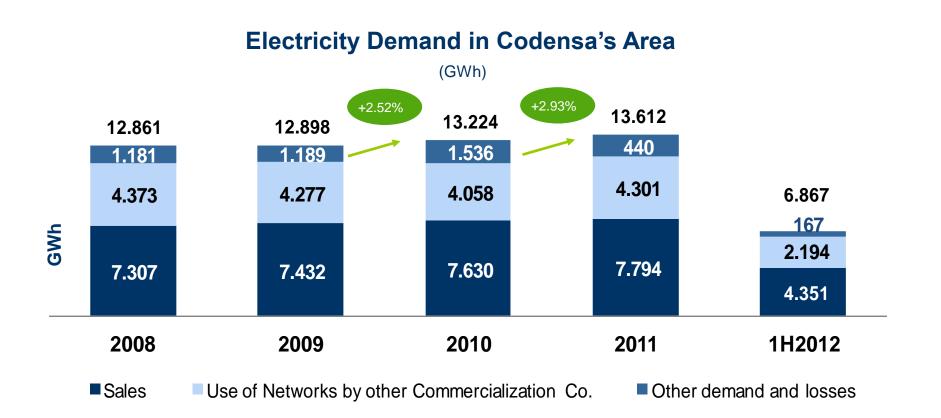


Increasing in national demand due the growth in the mining sector located out of Codensa's area. Despite this change in the demand trend, Codensa increased its energy sales as of June, 2012



## Codensa's energy demand and total sales

Sustained growth in the energy transported through Codensa's networks



% of sales supported by contracts:  $\sim 90\%$ 

Strategic location of Codensa's network highly preferred by other commercialization companies is a solid source of revenue

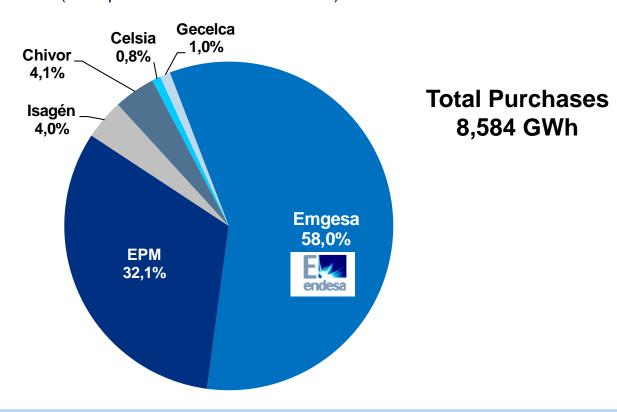


## Codensa's energy purchases

Transparency in purchases process and business integration with Emgesa

## Condensa's Main Suppliers (2Q 2012)

(% of purchases in terms of GWh)



• As of June 30, 2012

As of June, 2012 Emgesa was allocated with 4,975 GWh of total Codensa's purchases which are executed trough a bidding process according to market conditions



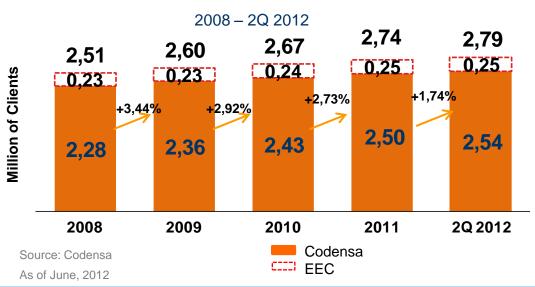
#### Codensa's Growth of Client Base

Sustained growth of client base

#### Demand growth of Codensa's influence area

- Higher growth rate than national demand
- 66.424 new clients added during 2011
- Growing needs of installed capacity for the next five years (more than 70% of the average growth of the last 10 years)

#### **Number of Clients Growth in the Distribution Business**



Important Growth: Around 700.000 new clients by 2018

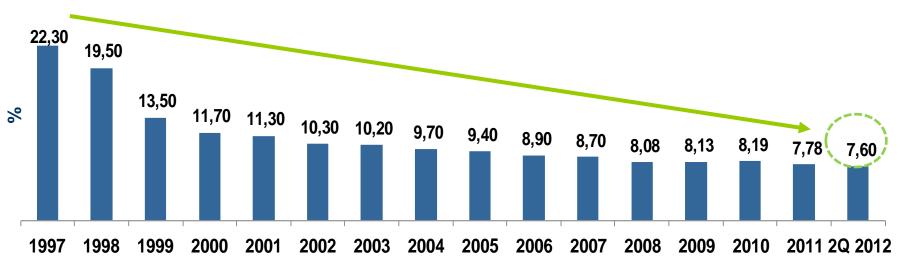
Investment in expansion, modernization and construction of new substations in order to attend the expected growth in Bogotá and Cundinamarca



#### Codensa's Losses Index

Reinvention of strategies to control losses and operational landmarks





Source: Codensa

Losses index at low historical levels due to clients education process and technical improvements to detect stealing electricity activities

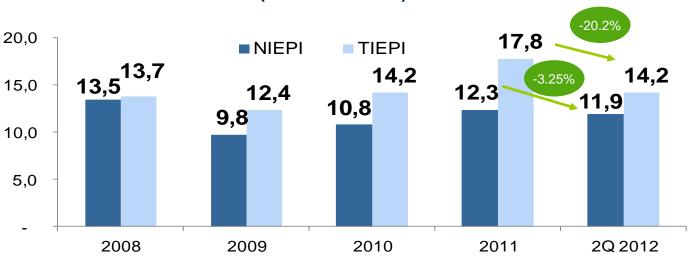


### Codensa's Quality of Services Index

Impact of high hydrology on service quality

#### **Quality of Service Indexes**

(Last 12 months)



Source: Codensa

TIEPI: Time of interruption equivalent to the installed power in medium-tension (MT) NIEPI: Number of interruptions equivalent to the installed power in medium-tension (MT)

#### Recovery in quality of service after the rainy season during 2011

Investments for US\$34 million in 2011 and US\$ 8 million during the first half of 2012 to improve the quality of service and adopt an emergency plan to mitigate the impact of the rainy season in the number and duration of service interruptions.



#### **Codensa's Investments**

**Investment Plan 2012** 

# Demand Growth

Building new infrastructure oriented to homebuilders and constructors and also requirements of new supplies or enlargement of the existing ones in Bogotá and Cundinamarca (**Commerce and industry**: Latín American Trade Center, Calima, Gran Estación II and Titán/ **Housing**: La Felicidad, Ciudad Verde and Maiporé).

# Operational Risk

- New substations (Norte and Centro Urbano)
- Replacement of electricity transformers and equipments within substations and distribution networks
- Rural infrastructure replacement
- HT reliability and security

# Quality of Service

- Quality improvement plan (HT, MT and LT)
- Strengthening sub transmission network in Cundinamarca

#### **Others**

- Improvements and accomplishment of regulatory dispositions
- Agreements and labor in public lighting



#### Codensa's Investments

Financing expansion projects to serve new demand

# Codensa invested USD\$52 million during 1H 2012, dedicating around USD\$19 million to projects in substations

Florida Substation

120 MVA capacity

El Dorado airport and Engativa area

2011 investment: ~USD\$4 million (~USD\$8 million in total)

Nueva Esperanza Substation 459 MVA - 500/115kV capacity

Future demand of Bogota and Cundinamarca

2011 investment: ~USD\$4 million

Torca and Noreste Substation

Completion of enlargement of substations connected to the National Transmission System (STN)

2011 investment: ~USD\$ 13 million

Centro Urbano Substation

Modernization of location to improve quality and reliability of service and to serve the new projects in the area. Suspended for opposition from the community.

2011 investment: ~USD\$ 3.4 million



## **Electric Transportation**

#### Important initiatives in the country

- Electric vans to transport employees
- Regulatory incentives for electric transportation
- Permanent tariff reduction for electric vehicles
- Electric transportation project Colciencias
- Green corridor Clean city roads

- MoU signature with Sofasa Renault,
   Motorysa and Auteco
- Incorporation of 12 electric motorcycles and commercial vans in commercial operations
- Launching of E-bike to work
- Charge points

Pilot plan to test the first electric bus in Latin America in association with the Clinton Foundation during 1H 2012





## **Endesa Group in Colombia**

Aggregated figures for Codensa and Emgesa



<sup>\*</sup>Ratings confirmed in February, 2012 by S&P (stable outlook) and in May, 2012 by Fitch Ratings (positive outlook).

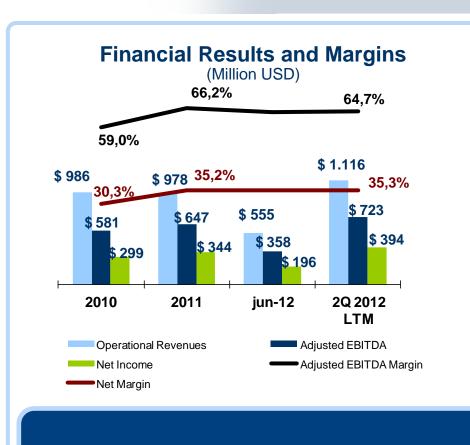
Financial statements are prepared under Colombian GAAP in Colombian pesos. Figures were converted into USD using the official COP/USD FX rate (TRM) applicable on the last day of the month.

<sup>\*\*</sup> Corresponds to aggregated and audited figures for Codensa and Emgesa as of June 30, 2012



## **Emgesa's Financial Results**

Commercial policy's effectiveness proven in financial results



Increase in contract sales markets and fuel costs due thermo generation in Cartagena Plant due restrictions in gas supply



Increase in sales trough contracts, specially in Wholesale Market

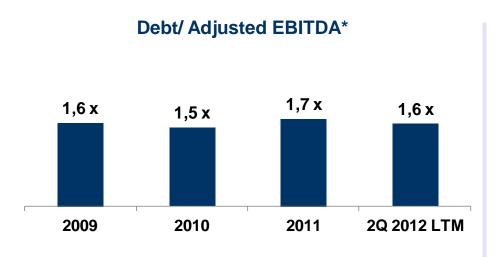
<sup>\*</sup>Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income.

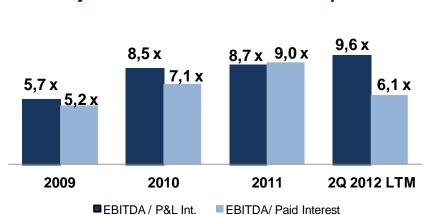


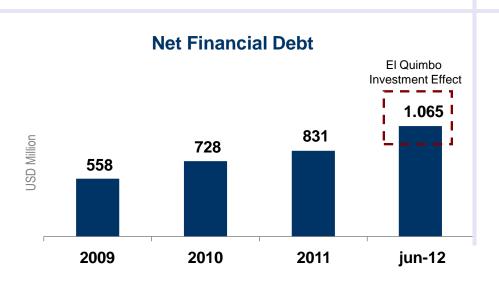
## Emgesa's Key Credit Metrics

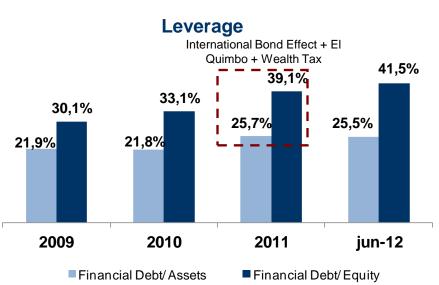
Adjusted EBITDA \* / Interest Expense

Resilience of financial indicators under extreme hydrological conditions









<sup>\*</sup> Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income.



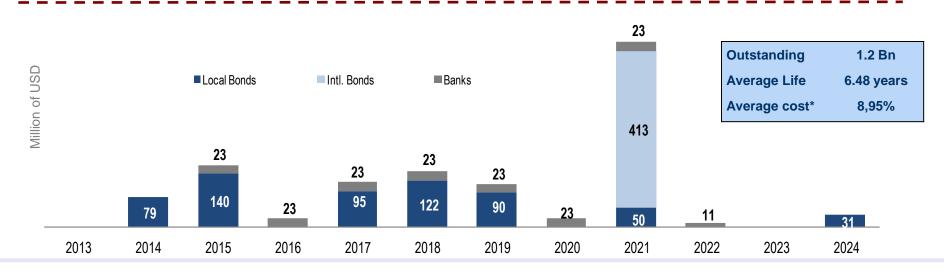
## **Emgesa's Debt Profile**

Moderate amortization profile despite new projects development

#### **Amortization Schedule**

(MM USD) as of June, 2012

EBITDA (2011) ~ \$707 MM

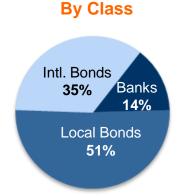


#### **Financial Debt Breakdown**

as of June, 2012

COP 100%

**By Currency** 

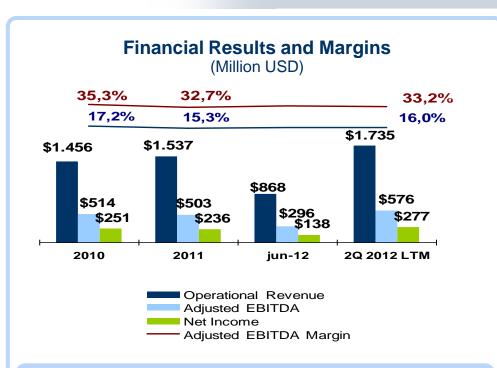




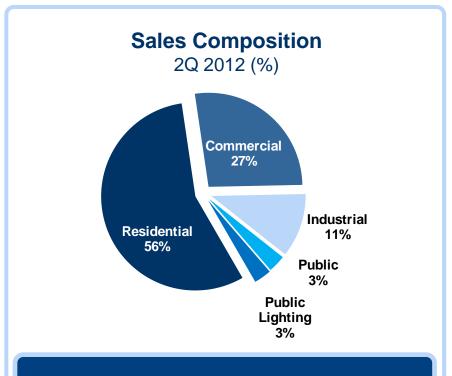


#### Codensa's Financial Results

Operational revenues growth and margin stability



Increase in distributed energy, recovery of restrictions costs in the national transmission system and lower financial expenditure due debt maturity without rollover



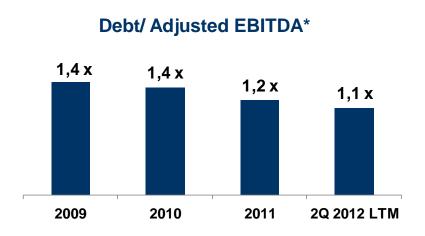
Sales to residential and commercial clients represented: 83% of operational revenues

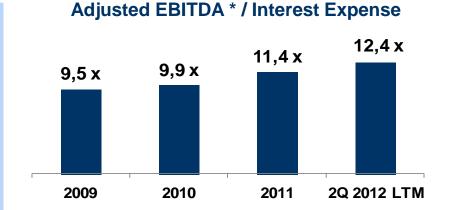
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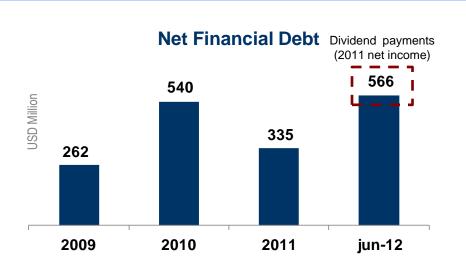


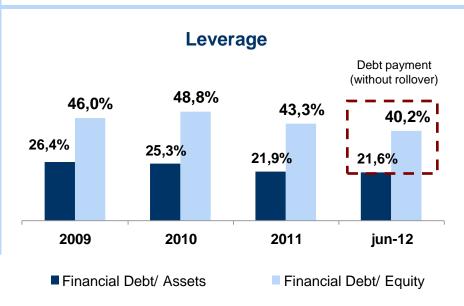
## **Codensa's Key Credit Metrics**

Outstanding credit rating and conservative risk profile consistent with AAA local rating









<sup>\*</sup> Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income (which is calculated by subtracting cost of sales and administrative expenses from operating revenues).



### Codensa's Debt Profile

#### **Conservative Debt Profile**

#### **Amortization Schedule**

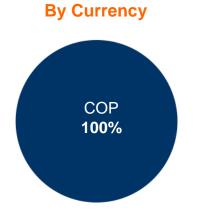
(MM USD) as of June, 2012

EBITDA (2011) ~ USD\$503 million



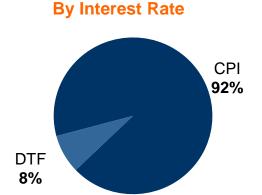
#### Financial Debt Breakdown

(MM USD) as of June, 2012





**By Class** 

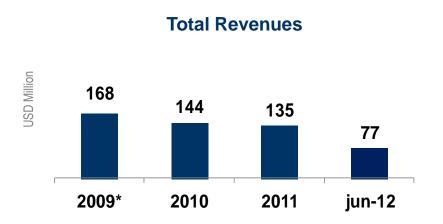


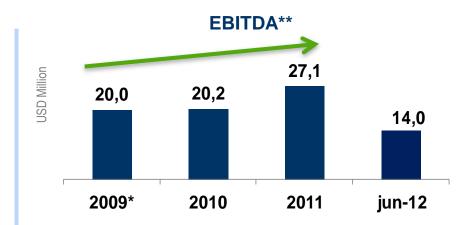
<sup>\*</sup> Calculated with CPI and DTF as of June, 2012



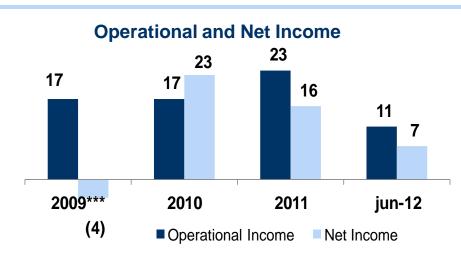
## Empresa de Energia de Cundinamarca

Outstanding financial and operational results since DECSA controls the company









<sup>\*</sup>Since March 2009 Codensa participates in the EEC trough DECSA (49%) and manages the company trough a Technical Assistance Agreement

27

<sup>\*\*</sup>Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income (which is calculated by subtracting cost of sales and administrative expenses from operating revenues).

<sup>\*\*\*2009</sup> figures include expenses related to adjustments and corrections due the acquisition for COP\$76.221 million for contingencies, voluntary retirement plans, pensions and provisions.



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## **Stages of El Quimbo Project**

**Critical Activities** 



#### **Current situation:**

- √18 months of progress on civil works of a total construction period of 48 months (about 27% of advancement)
- ✓ Advances in the social, environmental and technical programs

2011

Construction and completion of the Deviation Tunnel

2012 2013

- Deviation of the Magdalena River
- Dike construction, auxiliary dike and turbine room
- Reallocation program, and development of social and environmental programs

2014 2015

- Filling of the reservoir
- Commercial startup



## **Considerations for the Financing Strategy**

Shift priorities in order to be cost efficient

## **Financing Strategy Objectives**

 Certainty in the availability of funds for the whole project



74% of project's total needs financed and 59% of the Company's financing needs (including local debt amortizations in 2014) secured by liquidity back-stop facilities

2. Minimize the exposition to FX rate risk



Although funding has been raised in COP and we have hedged about US\$ 90MM of the project's payments, FX exposure is still an important consideration to select the funding sources for 2H2012- 2014

 Maintain the local AAA risk rating / International IG to preserve market access



Local AAA and Intl. BBB-(stable by S&P)/ BBB-(positive by Fitch) risk rating s ratified in 2012 including the expectation of debt balance increase due to El Quimbo.

**4. Diversify funding sources** and preserve access to local markets



Inaugural 144A/Reg S Global cop bond in 2011

5. Minimize financial cost



Having secured the availability of funds, the risk rating of the company and the dividend payout, the financing strategy may focus in cost efficiency starting 2012



## **El Quimbo Financing Strategy**

Secure resources for the project in the most efficient manner

# Prefunding (oct.2010-jan2011)

- Intercompany loans with Codensa
- Short-term loans with local banks

Secure
availability of
resources to
tap local and
international
markets when
conditions
result most
attractive

## Structural Financing 2011 - 2014

- Financing of up to 80% of the project's value
- Balance sheet financing
- Bond issuances in the local and international markets

#### Liquidity back- stop facilities

- Committed lines with local banks for 360 BnCOP (~USD\$ 202 MM)
  - 4 year availability for disbursement
  - 5, 7 and 10 year tenors (4 -year grace period) starting in Jan.2011
  - No MAC or MAE clauses
  - Prepayments without penalties
  - Revolving
  - Interest rate (@DTF) risk hedged, with spread by tenor already agreed
- Intercompany loan facility with Codensa for up to USD\$300 MM.



## **Endesa Colombia Highlights**

Operationally and financially solid companies, with the support of Endesa and Enel

- 15 years in Colombia committed with the growth of Country and its people
- Positive operational and financial results and cash flow stability that ratify the soundness and the credit ratings (AAA / F1+ local and international investment grade)
- Growth potential of our generation and distribution businesses in adjacent regions
- Pioneer in electric mobility projects and electricity commercialization identifying new potential markets
- Commitment to the sustainable development of ongoing projects and the involved communities



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Visit our web pages for additional information: www.emgesa.com.co / www.codensa.com.co

#### **Disclaimer**



- This presentation contains an update of the relevant data of the Endesa Group in Colombia and its companies Emgesa S.A. E.S.P. ("Emgesa") and Codensa S.A. E.S.P. ("Codensa"). Both companies are issuers of fixed income securities in the Colombian capital markets.
- Emgesa has been authorized by the Colombian Superintendency of Finance to issue ordinary bonds in Colombia pursuant to Resolution No. 833 dated June 16, 2009 and to issue commercial paper in Colombia pursuant to Resolution No. 1954 dated December 17, 2009.
- Likewise, Codensa has been authorized by the Colombian Superintendency of Finance to issue ordinary bonds in Colombia pursuant to Resolution No. 194 of January 29, 2010.
- Emgesa 's and Codensa 's financial statements for the year ended and as of December 31, 2009, 2010 and 2011 have been audited and have been approved by the Shareholder's General Assembly of each company.



## **Annex 1- Financial Results**



## Who is Endesa Group in Colombia?

#### **Emgesa's Ownership Overview**

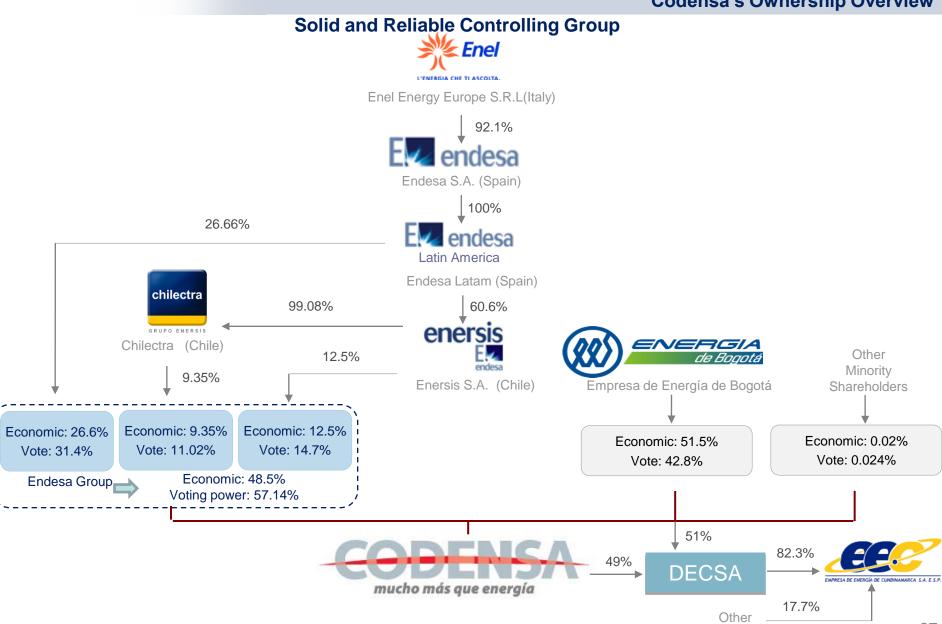
#### **Solid and Reliable Controlling Group** Enel Enel Energy Europe S.R.L(Italy) 92.1% Endesa S.A. (Spain) 100% 21.6% Latin America endesa chile Endesa Latam (Spain) 60.6% 60% Empresa Nacional de enersis Electricidad S.A. (Endesa Chile) Other Minority 26.9% Empresa de Energía de Bogotá Enersis S.A. (Chile) Shareholders Economic: 21.6% Economic: 26.9% Vote: 25.1% Vote: 31.3% Economic: 51.5% Economic: 0.005% Vote: 43.6% Vote: 0.006% Economic: 48.5% Endesa Group Voting power: 56.4%





#### Who is Endesa Group in Colombia?

**Codensa's Ownership Overview** 





## **Emgesa Summary Results 2Q 2012**

Operational and Financial Strength that confirm AAA local rating and international IG

INSTALLED CAPACITY	2,914 MW	No. 2 in Colombia 20% market share
GENERATION	3,341 GWh	No. 2 in Colombia 23% market share
SALES	3,982 GWh	22% of NIS demand
UNREGULATED CLIENTS	774	15% market share
RATING	AAA / F1 + (Local) BBB – (International)	USD\$1,2 billion outstanding debt
NET INCOME	USD\$196 million	Strength in sales trough contracts providing hedge in adverse scenarios
FINANCIAL DEBT	USD\$1,2 billion	Leverage of 42% (debt/ equity)
TOTAL ASSETS	USD\$4,7 billion	Solid Balance Sheet

<sup>\*</sup> Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income (which is calculated by subtracting cost of sales and administrative expenses from operating revenues).



## **Emgesa's Financial Results**

		Balance	Sheet Da	ta	% changes for COP	
(USD Million)	2010	2011	2Q 2011	2Q 2012	figures 2Q 11 vs 2Q 12	
Cash and temporary investments	160	263	288	126	-56.25%	Use of International Bond (2011) proceeds in the
Property, plant and equipment	2,565	2,593	2,782	2,880	+3.80%	execution of El Quimbo Project
Total Assets	3,961	4,255	4,683	4,665	-0.14%	+ International bond issuance COP\$737 billion -
Total Financial Obligations*	915	1,157	1,409	1,229	-12.60%	commercial paper redemption COP\$ 70 billion – Betania bonds redemption
Long-term Financial Obligations	726	938	1,036	1,192		COP\$240 billion  + Local Club Deal refinancing COP\$305
Total Liabilities	1,384	1,453	1,822	1,795	-1.21%	billion
Total Shareholder's Equity	2,682	2,802	2,861	2,870	+0.55%	
FX End of Year or End of Period	1,914	1,943	1,780	1,785		

<sup>•</sup>includes principal and accrued interest to date



## **Emgesa's Financial Results**

#### **Income Statement Data**

(USD Million)	2010	2011	2Q 2011	2Q 2012	% changes for COP figures 2Q 11 vs 2Q 12
Operating Revenues	\$986	\$978	\$504	\$555	+10.40%
Adjusted EBITDA*	581	647	340	358	+5.48%
Non Operating Expenses	72	77	42	38	-9.29%
Operating Income	507	569	299	314	+5.24%
Net Income	299	344	176	196	+11.51%
FX End of Year or End of Period	1,914	1,792	1,780	1,785	

<sup>\*</sup> Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income (which is calculated by subtracting cost of sales and administrative expenses from operating revenues).



## **Emgesa's Financial Results**

#### **Income Statement Data - Margins**

(USD Million/ Margin in COP Figures)	2010	2011	2Q 2011	2Q 2012	
Operating Revenues	\$986	\$978	\$504	\$555	
Adjusted EBITDA*	58.96%	66.16%	67.45%	64.44%	
Non Operating Expenses	7.30%	7.87%	8.29%	6.81%	
Operating Income	51.42%	58.18%	59.43%	56.65%	
Net Income	30.32%	35.17%	34.94%	35.30%	

<sup>\*</sup> Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income (which is calculated by subtracting cost of sales and administrative expenses from operating revenues).



## **Emgesa's Club Deal Refinancing**

#### Successful debt rollover with local banks

**Debt Proflie After Refinancing** 

As of April 10, 2012

■International Bonds

#### **Club Deal Refinancing**

**Total Amount** COP 305 Bn / USD 170 mill

Oversubscription COP1.5 trill/ USD 750 mill (4,8x)

**Tenor** 10 years, semiannual amortizations starting on the 36<sup>th</sup> month

(average life of 6,5 years)

**Disbursement** 

**Date** April 10, 2012

Contract of credit and promissory note

**Documentation** Senior credit, allows total or partial repayment without penalties,

no financial *covenants*, no restrictions to new indebtedness nor

Banks

dividends payment

■Local Bonds
■International Bonds

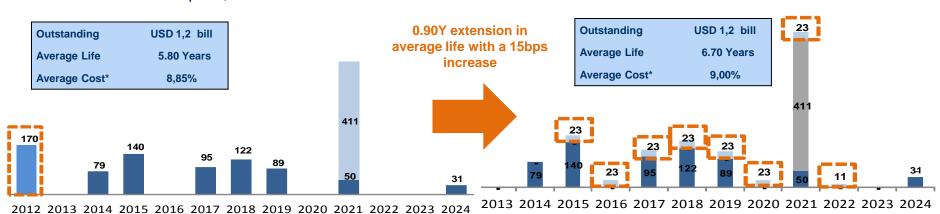
Interest DTF + 3.75%

#### **Bank Allocation**

	MM COP	
AVVillas	\$ 28.955	9%
BBVA	\$ 185.000	61%
Bancolombia	\$ 91.045	30%
Total	\$ 305,000	100%

#### **Debt Profile Before Refinancing**

As of April 9, 2012



Banks

Local Bonds

 <sup>\*</sup> Calculated with CPI and DTF as of December 31,2011



## **Emgesa's Financial Debt**

#### **Outstanding Financial Obligations as of June 30, 2012**

Million USD

#### **Local Securities**

Local Securities	Coupon	Yield	Maturity	Amount	Average Life	Credit Rating
Third Bond Issuance	A7 Series: CPI + 5.04% -	CPI + 5.04%	Fobruary 22, 2015	\$ 118	- 2,65	AAA
(First Tranche)	A7 Selles. CF1 + 5.04% =	CPI + 2.40%	<ul> <li>February 23, 2015</li> </ul>	\$ 22	= 2,05	AAA
Fourth Bond Issuance (First Tranche under the Program)	B10 Series: CPI + 5.15%	CPI + 5.15%	February 20, 2017	\$ 95	4,65	AAA
Fifth Bond Issuance	A5 Series: DTF TA + 1.47%	DTF TA + 1.47%	February 11, 2014	\$ 28	1,62	
(Second Tranche under the	B10 Series: CPI + 5.78%	CPI + 5.78%	February 11, 2019	\$ 90	6,62	AAA
Program)	B15 Series: CPI + 6.09%	CPI + 6.09%	February 11, 2024	\$ 31	11,62	
Sixth Bond Issuance	E-5 Series: 9.27%	9,27%	July 2, 2014	\$ 52	2,01	
(Third Tranche Under the	B-9 Series: CPI + 5.90%	CPI + 5.90%	July 2, 2018	\$ 122	6,01	AAA
Program)	B-12 Series: CPI + 6.10%	CPI + 6.10%	July 2, 2021	\$ 50	9,01	
			Total	\$ 608	5,11	

#### **International Bonds**

International Bonds	Coupon	Yield	Maturity	Amount	Average Life	Credit Rating
144A- Reg S Int. Peso Bond	8,75%	8,75%	January 24, 2021	\$ 413	5,6	BBB-/ BBB-
			Total	\$ 413	5,6	

#### **Club Deal**

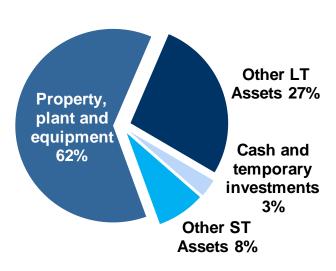
Lender	Maturity	Rate	Average Life	Amount
Bancolombia	April, 2022	DTF TA + 3,75%	6,28	\$51
BBVA Colombia	April, 2022	DTF TA + 3,75%	6,28	\$104
AV Villas	April, 2022	DTF TA + 3,75%	6,28	\$16
		Total	6,28	\$ 171

Total Emgesa \$ 1.192

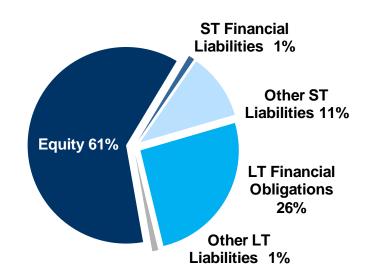


## **Emgesa's Financial Results 2Q 2012**





#### **Liabilities + Equity**



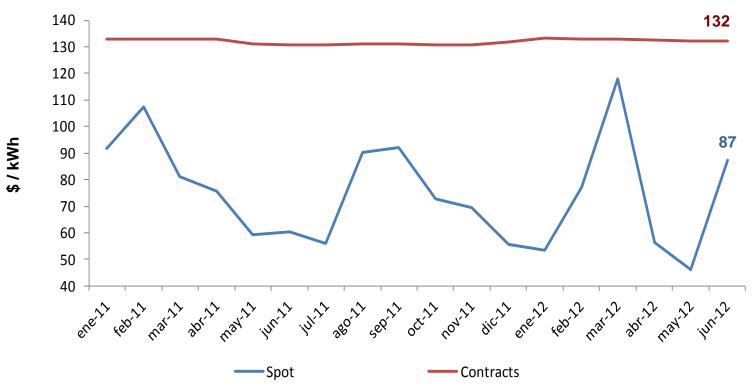
The size of Emgesa's assets and equity reaffirm its strength after executing and equity reduction in May 2010 and including on its balance sheet the financing of El Quimbo project



#### Market Spot Price vs. Contract Price

Volatility and permanent drop in the spot price and stability in the price of contracts

Average Colombian Market Price Levels
Spot (Monthly Evolution) vs. Contracts (Average)



Source: XM. Daily prices

Contracts added revenues stability despite low energy spot prices due high hydrology in 2011 and 1H 2012



#### Codensa Summary Results 2Q 2012

#### Operational and Financial Strength that confirm AAA local rating



<sup>\*</sup> Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income (which is calculated by subtracting cost of sales and administrative expenses from operating revenues).



## **Codensa's Financial Results**

		Baland	ce Sheet [	Data	% changes for COP	Dividends
(USD Million)	2010	2011	2Q 2011	2Q 2012	figures	ment in April June (2011)
Cash and temporary investments	160	253	85	54	-35.60% - Bo	onds coupon payment Income Tax
Property, plant and equipment	1,737	1,738	1,852	1,878	+1.64%	payment
Total Assets	2,766	2,683	2,767	2,870	+3.98% amo (Bon	ncial debt rtization nds) without over=
Total Financial Obligations*	703	590	643	623	-2.89% COP Marc ST fi	\$34 billion in ch inancial
Long-term Financial Obligations	595	569	621	575	-7.19% inclu billio matu	gations ude COP\$80 on of bonds urity in Feb.
Total Liabilities	1,330	1,326	1,249	1,327		idend Payment Obligations
Total Shareholder's Equity	1,436	1,357	1,517	1,543	+1.93%	
FX End of Year or End of Period	1,914	1,943	1,780	1,785		

<sup>\*</sup> includes principal and accrued interest to date



#### **Codensa's Financial Results**

#### **Income Statement Data**

(USD Million)	2010	2011	2Q 2011	2Q 2012	% changes for COP figures 2Q 11 vs 2Q 12
Operating Revenues	\$1,456	\$1,537	\$808	\$868	+7.66%
Adjusted EBITDA*	514	503	267	296	+10.92%
Non Operating Expenses	54	45	26	24	-4.35%
Operating Income	388	372	197	222	+12.83%
Net Income	251	236	118	138	+17.92%
FX End of Year or End of Period	1,914	1,792	1,780	1,785	

<sup>\*</sup> Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income (which is calculated by subtracting cost of sales and administrative expenses from operating revenues).



#### **Codensa's Financial Results**

#### **Income Statement Data - Margins**

(USD Million/ Margin in COP Figures)	2010	2011	2Q 2011	2Q 2012	
Operating Revenues	\$1,456	\$1,537	\$808	\$868	
Adjusted EBITDA*	35.31%	32.72%	33.07%	34.08%	
Non Operating Expenses	3.73%	2.95%	3.16%	2.81%	
Operating Income	26.62%	24.21%	24.40%	25.57%	
Net Income	17.22%	15.24%	14.56%	15.94%	

<sup>\*</sup> Adjusted EBITDA is calculated by adding back the depreciation and amortization (included in cost of sales and administrative expenses) to operating income (which is calculated by subtracting cost of sales and administrative expenses from operating revenues).



## Codensa's Financial Debt

#### Outstanding Financial Obligations as of June 30, 2012

Million USD

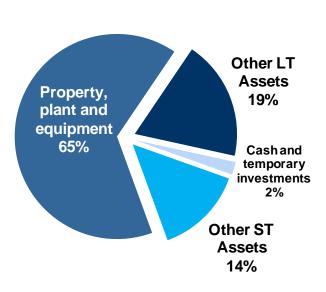
Local Instrument	Coupon	Yield	Maturity	Amount	Average Life	Credit Rating
First Bond Issuance	A10 Series: CPI + 6.34%	CPI + 6.34%	March 11, 2014	\$ 140	1,70	AAA
Occasid David Issues	A10 Series: CPI + 5.30%	CPI + 5.30%	March 14, 2017	\$ 82	4,71	AAA
Second Bond Issuance	A10 Series: CPI + 5.30%	CPI + 5.60%	March 14, 2017	\$ 137	4,71	AAA
	A5 Series: CPI + 5.99%	CPI + 5.99%	December 11, 2013	\$ 42	1,45	AAA
Third Bond Issuance	B5 Series: DTF + 2.58%	DTF TA + 2.58%	December 11, 2013	\$ 48	1,45	AAA
	A10 Series: CPI + 5.55%	CPI + 5.55%	December 11, 2018	\$ 45	6,45	AAA
Fourth Bond Issuance	B3 Series: CPI + 2.98%	CPI + 2.98%	February 17, 2013	\$ 45	0,64	AAA
(First Tranche Under the Program)	B6 Series: CPI + 3.92%	CPI + 3.92%	February 17, 2016	\$ 81	3,64	AAA
			Total	\$ 621	3,25	

Total Codensa \$ 621

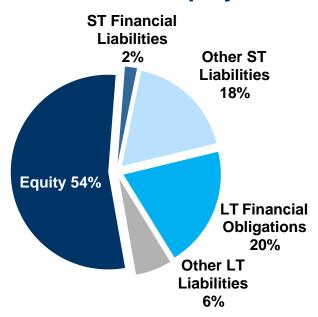


#### Codensa's Financial Results 2Q 2012





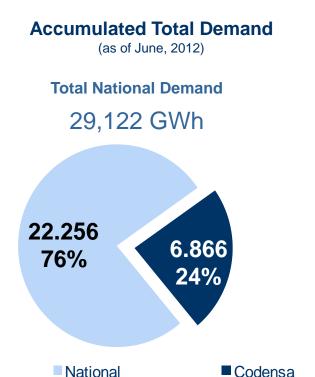
#### **Liabilities + Equity**



Codensa's balance sheet composition reflects its strategy results which pursues to maintain financial strength, focusing on energy business



#### **Codensa's Demand Performance**

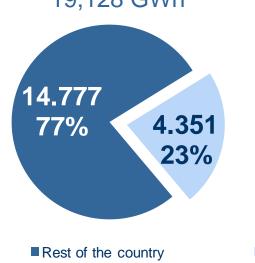




(as of June. 2012)



19,128 GWh



Codensa

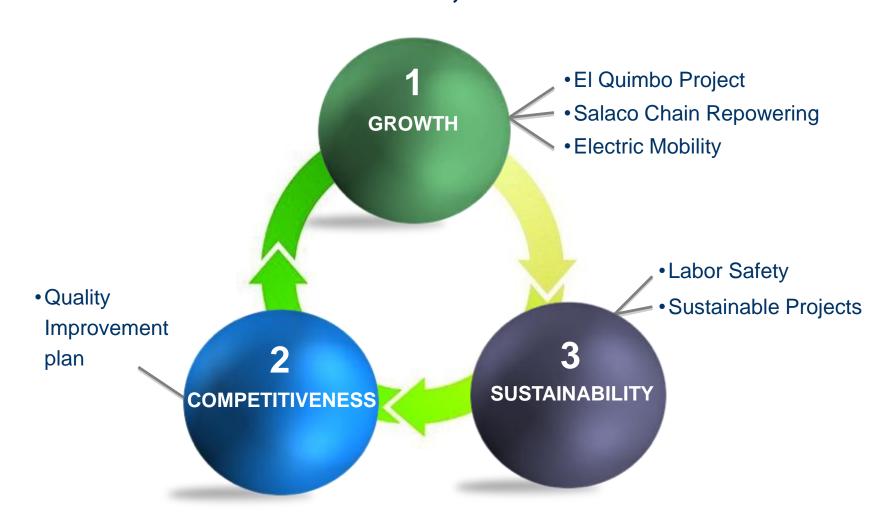
CODENSA has maintained a leadership position, with the 24% of total demand and 23% of regulated market



## **Annex 2- Strategic Goals**



## **Three Drivers, one Goal**





#### El Quimbo Hydroelectric Plant

Main highlights

- Single purpose reservoir located on the Magdalena River,
   12 km upstream from Betania
- Installed capacity: 400 MW (Francis, 2x200)
- Expected average annual generation: 2,216 GWh (60% Load Factor)
- Total project area: 8.586 Ha. (6 municipalities)
- Construction period: Oct. 2010 2014
- Estimated Investment: USD\$ 837 million
- USD\$430 MM Reliability Charge assigned between 2014 2034
- Environmental and Social compensation:
  - Restoration of 11.079 Ha in Dry Tropical Forest ecosystems
  - Emgesa aims to have 100% of the relocated population with a quality of life equivalent or better than what they had prior to the relocation



The construction of El Quimbo is aligned with Emgesa's central purpose and growth strategy



T GROWTH

# **Energy Auctions**

- Energetic planning
- Over 3000 MW
   of installed
   capacity for the
   Country.

#### Consensus Tables

- Inclusion of over 30 agreements in the Environmental License
- Projects that support local development

# **Environmental License**

- Technical aspects.
- Social aspects (3000 people).
- Environmental aspects (11.079 ha).

US\$ 143 million



## **Advances for Non- Resident Population**

#### Nearly 1000 people

approximately, represented mainly by miners, laborers, fishermen and transporters, have signed an agreement act regarding the compensation measures, mainly.

#### Over 870 people

have already studied in the School for the Sustainable Development, promoted in strategic partnership with the SENA institute.

#### **Methodology:**

Learn by doing, with a program intensity of **300** hours in technical skills.

During the education period, Emgesa will give a monthly allowance of around US\$2.600 with the purpose of guaranteeing economic income during the attendance to the program.

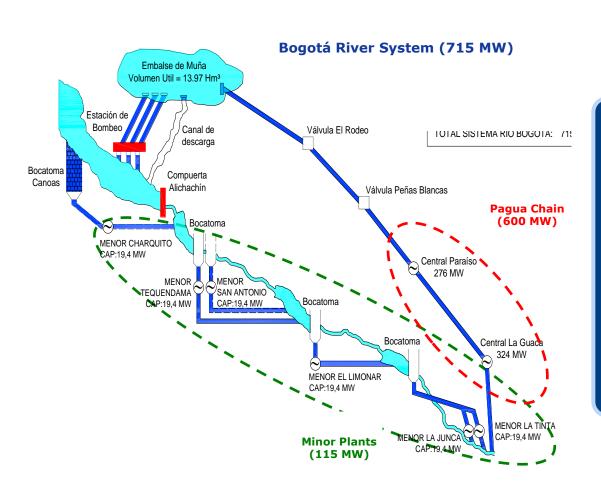




### Repowering of the Salaco Chain

Increased capacity by 115 MW with a reduced investment

1 GROWTH



- Repowering of the minor plants to reach a 260 MW power
- Estimated timing for the project execution is 30 months
- Seize excess water with an estimated investment of USD\$29 million



#### **Colombia Panama Interconnection**

Significant and sustainable growth opportunity in the region



1 GROWTH

- Construction to begin on 2013 and operation from 2016
- 300 MW Capacity (possible future increase to 600 MW).
- Development and investment in the project to be carried out by the company ICP (Interconexión Colombia Panamá S.A. – Partnership between ISA and ETESA).
- Payment for the use of the line to be determined through an auction of the financial rights of access to the line's capacity (DFACI)
- Participation in wholesale market auctions in Panama (actos de concurrencia) to sell electricity and potency in long term contracts
- Estimated investment cost of USD\$ 400 million



#### **Electric Mobility**

Pioneering the development of the electric traction in Colombia – 2012 Perspectives

Pilot program of 250 RENAULT vehicles.



Installation of domiciliary **charging outlets**. Endesa, Renault and Motorysa headquarters.







Test program for the first **electric bus** in Latin America. BYD, Clinton Foundation.



GROWTH

Program of 50 electric taxi cabs.
City of Bogotá Government



Pilot program with 34 AUTECO **electric motorcycles** for Endesa's operation.





#### **Quality Improvement Plan 2012**

Continuous improvement in the quality of service



2

COMPETITIVENESS

#### **Tension Level 1**





**ITAD:** Quarterly Grouped Discontinuity Index. Regulatory index that relates the average energy not delivered with each energy unit delivered by a network operator on a quarterly basis.

## Main Actions during 2012

- Installation of 282 equipments to operate under charge
- Remote control of equipments including a change in the control and remote control centers and recovery of 358 equipments
- Construction of 10 rings (34.5 kV)
- Replacement of infrastructure (50 circuits)



### **Sustainable Projects**

Commitment to sustainable projects for the community and the environment

3 SUSTAINABILITY

## **Endesa Forest**

- 460 ha in the regions nearby Bogota (Tequendama Falls Mount Manjui)
- Plantation of 10.000 trees on September 2011
- Leaders in the sector to protect forests, as Carbon absorption sinkholes.
- 2012:
- Research Project: Biodiversity
- Social Project: Forest rangers
- Access Reforestation Incentive Certificate
- Emissions Reduction Project by deforestation and degradation -REDD

#### Endesa Educates

- Training of young low-income population in electricity and commercialization skills.
- Support for postgraduate degrees at local public universities
- 31 Postgraduates in 2011 and 37 in training programs
- 2012:
- Certification as SENA Technicians the postgraduate students.
- Recruiting of young students.
- Launching of the project outside of Bogota (Cundinamarca)

#### Lights to Learn

- Remote schools with no possibility of connection to the electric grid in the medium term
- Adequate physical conditions for the installation of solar panels
- Legalization of the ownership status of the property where the school operates
- Solar energy + internet and computers + teaching training
- 2012: Pre-assessment of schools in the Alta Guajira region and Cundinamarca
  - Launching of the project





light · gas · people