

(FOTO que ocupa toda a página)

## Reinforcement in the Distribution (Reforço na Distribuição)

New equipment will speed up the reestablishment of  
Electric energy all over the State

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## GENERATION (GERAÇÃO)

### Works at Santo Antônio Power Station move forward (Obras da Usina...)

Trucks transport the material for the construction of Santo Antônio Hydroelectric Power Station, in Rio Madeira (RO). The president of Brazilian Environment and Natural Resources Institute – Ibama, Roberto Messias Franco, signed last August, the power station's environmental license of installation. The concession of this authorization, in record time, represented an essential step towards the accomplishment of the goal to begin the operation in May 2009, an advance of seven months in relation to the original schedule, already approved by Brazilian Electricity Regulatory Agency – Aneel.

The construction of the power station, that will have a power of 3.150MW, is under the responsibility of *Consórcio Madeira Energia* with Cemig's participation.

(FOTO: Previsão para início de operação em 2009)

Beginning of the operation is foreseen for 2009

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## CEMIG NEWS

Monthly Publishing of CEMIG

Published by Enterprise Communication Superintendence (CE)

Av. Barbacena, 1200 – 19<sup>th</sup> floor, Phone: (31)3506.4949/3506.2052, Fax: (31)3506.2039/ 3506.2023, POBOX: 992 – Belo Horizonte/MG

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Art editor: Cláudia Tartaglia

Graphic Design: *C&T Design* – Cláudia Tartaglia, Reg. Prof. 3511/MG

Printing: *Esdeva Indústria Gráfica*

Issuing: 22.000 issues

Associated with

(LOGO ABERJE)

Cemig's Mission: To act on the energy's sector with profitability, quality and social responsibility.

## OSHSS (Sesmt) receives award and director is elected to Funcoge's council

(Sesmt ganha...)

Marco Antonio Rodrigues da Cunha (*photo*), director of Entrepreneurial Management – DGE, will be the next president of the Director's Council of Coge Foundation, which mission is to promote the improvement of entrepreneurial management and of the technical culture of Brazilian electric energy sector. The election took place on November 28<sup>th</sup>, same day that Cemig received the national award of the sector for the management of safety and work health field.

Marco Antonio Cunha has said that the plans of the Director's Council of Coge Foundation for the next two years include the expansion of the distance education and international partnerships, integrating areas that can be shared by the companies such as personnel management and development. As for the award, the director reminded that it is related to the good entrepreneurial practices that includes not only Cemig, but its collaborators and the community.

### Winning project

The work *Remodeling OSHSS (SESMT) – Integration and Regionalization* competed on the category of safety management and work health of Funcoge Award with other 13 projects of companies all over the Country. It approaches the restructuring activity, from 2005, for the Occupational Safety and Health Engineering Specialized Services – OSHSS (SESMT) in order to propose a personalized service and directed as much to Cemig's administrative areas as to its operational areas.

One of the first actions, due to the characteristics of the current risks of Brazilian electric energy concessionaires, was to include psychologists and social workers to give support to works related to additional risks defined on NR-10 and that are more and more present at the companies. An annual and permanent recycling program has also been suggested and approved. At the moment, this program counts on the participation of professionals of Cemig and of the contracted companies, aiming at leveling the work conditions among Cemig's own staff and the contracted personnel. Due to Cemig's characteristics, it was also necessary to divide OSHSS (SESMT) into regions in order to improve the service to the operational bases all over the State.

Among the several activities, one that received special attention was the design of the basic and complementary courses, standardized by OSHSS (SESMT), in partnership with School of Professional Qualification and Improvement – Efaf, and run by Cemig's safety, health and well-being professionals. Thus, Cemig managed to train about 6 thousand employees per year, a total of 240 thousand hours of training per year, in 2006 and 2007.

The restructuring included also a revitalization of *Vital Energy* program, to provide the employees better health conditions and of the entire first aid program in the Company, aiming at recycling, in two years, all employees of the risk areas, members of the Internal Accidents Prevention Committee – Cipa and brigadiers, with a minimum workload of 8 or 12 hours.

Another action taken was the redefinition of the authorization for driving vehicles at the Company and the implementation of the *Social Inventory*, aiming at, mainly, listening to the demands of the risk areas employees related to the social issues that interfere on health, work safety and well-being.

The population safety has got a personalized and corporative standardized structure with the objective of servicing its target public. It was implemented in the beginning of 2006, to be carried out on Cemig's anniversary week, and it has embodied and nowadays it is a permanent campaign at the company with a direct service to more that 250 thousand people per year through lectures performed at schools and civil engineering works.

*(Redesenhando o SESMT – Integração e Regionalização...)*  
*Remodeling SESMT (OSHSS) – Integration and Regionalization*  
 competed on the category of safety management and  
 work health of Funcoge Award with other 13  
 projects of companies all over the Country.

## **Project promotes re-settled families' craft work of Irapé Power Station (Projeto promove...)**

Cemig has signed an agreement with Technical Assistance and Rural Extension Company – Emater regarding the installation of *Irapé's Craft work Project: Recovering Values and Culture through craft work*. The project aims at qualifying and making economically feasible the craft production of the re-settled families by Irapé Power Station, installed in Vale do Jequitinhonha.

The initiative, to be developed by Emater throughout two years, will have an investment of R\$500 thousand. Cemig has a 68% (R\$342 thousand) participation and Emater 32% (R\$158 thousand). “With this support that is not bounded to any socio-environmental condition we take an important step towards the consolidation of the re-settled families of Irapé”, emphasized Luiz Henrique de Castro Carvalho, director of Generation and Transmission – GTD (DGT).

“Our enthusiasm with the project is based on the fact that the craft of Vale do Jequitinhonha is recognized all over the State and abroad”, explains Cemig’s director. According to him, the intention is to join his natural skill with the aims of the proposal presented by Emater, as a way of settlement of these families in the regions where they have been transferred to.

A recent survey carried out by Emater has showed that several re-settled families keep alive the tradition of manual work such as embroidery, clothing manufacture, crochet and other activities. “Now that the families are beginning to settle at their homes is the right moment to transform this cultural background into income”, evaluates Cléa Venina Guimarães, coordinator of the project by Emater.

### **Design and commercialization (Design e comercialização)**

In the beginning, the families will take part on playful activities in which they will draw and express themselves in order to come out with their own design to be used on embroidery and other kinds of craft work. They will have also the aid of a designer that is used to working with communities, aiming at shifting to the products a pattern that represents the reality of these communities.

“This intervention, besides of enabling the cultural recovering will keep in mind the addition of value to the products”, explains Cléa Guimarães. On the top of that, it is also foreseen the elaboration of graphic pieces necessary to the marketing of the project and of the products to be commercialized. The work will mirror *Talents of Brazil* project, of Ministry of Agrarian Development, of which Emater takes part on.

From January, the families of Irapé will take part on fairs and events aiming at their qualification. The idea is not only to improve and value the design of the products, but also to guide them towards the market. The work will be developed with the participation of Emater’s teams that besides of the activities that they already performe giving support to the family agriculture, will start to give attention also to this matter.

The about 600 families re-settled by Irapé Power Station form 28 associations. They are scattered in about 100 farms in 16 counties of the North and Vale do Jequitinhonha regions. Through the agreement kept by Cemig, eight teams of Emater work in the region assisting exclusively these families, on a work of technical assistance, rural extension and social well-being that is foreseen to last up to the end of 2010.

**(FOTO: Artesãos do Jequitinhonha...)**

Artisans of Jequitinhonha will receive support of experts

**(FOTO: A comercialização...)**

The project will approach the commercialization of the pieces

## **Agreement reduces consumption of popular houses (Convênio reduz...)**

Governor Aécio Neves (*photo*) announced on December 4<sup>th</sup> the installation of solar heating systems by Cemig at the housing groups built by Housing Company of Minas Gerais – Cohab, from next year on. The resources come from the Annual Program Against Electric Energy Waste, set by Brazilian Electricity Regulatory Agency – Aneel.

R\$30 million will be destined to service 15 thousand families in three years. Besides of the solar heating, each family will receive five compact fluorescent lightbulbs of 25 watts that consume less energy. In 2009, the first year of the program's operation, 61 counties will be benefited.

The use of solar heating to heat the water instead of the electric shower will reduce the demand on the peak time and will save up to 50% of the consumption of electric energy of the borrower.

The governor affirmed that the program has a large social reach and it will be implemented from a joint action of Cohab and Cemig. “Besides of the objective and practical effect of taking to these families solar heaters that, right on the first moment, can save between 30 and 50% of the electric energy consumption – what is good for the State and for the families – we have perceived that it is possible to integrate the govern actions into all its areas, even though at a first glance they do not look so close to each other”, said the governor.

### **Installation (Instalação)**

Cohab's president, Teodoro Alves Lamounier, explained that the assisted families will not have any expenses with the installation of the heaters and the special lightbulbs. The heating system includes the solar collector, a thermal reservoir, an interconnection piping among the thermal reservoir and the collector and the water mixers. According to Lamounier, the goal of Minas Govern is to fundraise to expand the program. “Through the benefits of this program, and as electric energy saving and preservation is a very important issue on a countrywide scale, we will probably have a raise of funds to expand further this goal”, he affirmed.

The heaters will be installed by Cemig at residential houses indicated by Cohab that will be responsible for supplying the necessary technical specifications, projects and drawings. Cohab will be responsible also for coordination and inspecting the implementation of the systems, look for partnerships with bodies and entities as well as set up agreements with the assisted counties.

## **Environmental Education Event at *Quarteirão 14* (Evento de educação...)**

Aiming at the adjustment of *Quarteirão 14 – Q14* plant to the environmental legislation, last year a process to get the License of Corrective Operation – LOC was started. During the process, the State Environment Foundation – Feam determined, as a condition for the acquisition of LOC, the elaboration of environmental education programs with the internal and external public of the scope area of that plant.

Last October 20<sup>th</sup>, it was held at Actual Hotel in Contagem, the event of environmental education with the internal public. 301 employees and contracted staff of the Specialized Distribution Maintenance Management – OM/MN, of Field Service Engineering Coordination and Management – OM/FE, of Coordination of Income Protection and Use of Energy Management – RC/IP, of Administrative Infra-structure Management – LI/AI, of Support and Aid to Telecommunications and Computing Users Management – TC/AS, of Energetic Technology and Alternatives Superintendence – ET and Central Transmission Management – AT/CN, besides of four Engineering Managements: Transmission Maintenance – EN/MT, Generation Maintenance – EN/MG, Measurement Maintenance – RC/ME and of Distribution Assets – EG/AE took part on the event.

The event for the internal public counted also on the participation of the managers of Distribution Environment Administration Management – OM/EM, Carlos Alberto Coelho, and of OM/MN, Jonas Antunes Costa. During the meeting, the participants received a booklet with information about the activities developed at that plant, the produced residues, the environmental impacts caused, the measures of control and correct procedures of storage and discharge.

The event for the external public was held on 21<sup>st</sup>, at Q14, and it had the participation of 11 representatives of *Rações Itambé*, *Magnesita Refratários S.A.*, Federal Highway Police, *Flender Brasil* and *HSBC Bamerindus* companies, installed on the surrounding area.

## DISTRIBUTION (DISTRIBUIÇÃO)

### Partnership develops 100% vegetable oil mobile sub-station (Parceria desenvolve...)

Cemig in partnership with Asea Brown Boveri – ABB presented on December 1<sup>st</sup> the first world mobile sub-station, of 138kV, completely vegetable oil-insulated (*photo*). The equipment that will be used on emergency and repairs services was parked in front of the Company's headquarters, in Santo Agostinho neighborhood, Belo Horizonte. With double of the power of the traditional model, the new mobile sub-station has a capacity of 15MVA that is enough to service a population of approximately 50 thousand inhabitants.

The vegetable oil presents a high electric and thermal performance, besides of being completely biodegradable and it does not have any products that may affect the environment. "These characteristics guarantee to the mobile sub-station a longer useful life, greater safety at the customer service and minor risk for the electric system", highlights Alexandre Bueno, superintendent of Operation Engineering Coordination and Management, Maintenance, Field Services and Distribution Environmental Management Superintendence – OM.

The sub-station is one unit of the electric system destined, mainly, to the reduction of tension levels for customer service. In the case of the mobile sub-station, the equipment is assembled on a cart aiming at carrying out emergence services, scheduled maintenances and increment of electric energy demand on the current sub-stations. "In an emergency at the conventional sub-stations, the mobile sub-station will be moved to the point of flaw, allowing to reduce drastically the time of reestablishment of electric energy to the millions of consumers connected to the faulty sub-station", explains the superintendent.

#### Pioneering (Pioneirismo)

Since the end of the 90's, Cemig has been studying the use of vegetable oil in transformers. In 2003, the first equipment was tested at its laboratory. Later, the use of vegetable oil evolved to transformers of 138kV, contributing, in 2006, to the installation of the first world 100% vegetable oil transformer at a sub-station of the Metropolitan Region of Belo Horizonte – RMBH.

These experiences enabled, this year, the development of a totally vegetable oil-insulated mobile sub-station with state-of-art technology. "This project is aligned to Cemig's guidelines regarding to the constant concern with the quality of the offered electric energy supply and the respect to the environment, adding development, sustainability and customers' satisfaction", emphasizes Alexandre Bueno.

The vegetable oil is non-toxic and in 21 days its content is 97% biodegradable.

### Aerial baskets (Cestas aéreas...)

On December 16<sup>th</sup>, Cemig included to its fleet 39 new vans with light baskets for the multifunctional teams that can be used on services of electric energy reestablishment, public lighting, and consumers' connection and even energized line maintenance. The Company invested R\$2.6 million on the acquisition of the new equipment. The light aerial baskets were especially developed from the need of the technological improvement and update of the service vans of the current fleet. The need, detected by operational and distribution engineering bodies, is due to mainly the operational and ergonomic limits of the swivel ladders. Besides of being agile, versatile and safe, the new equipment is highly productive, what will allow the return of the investment in few years.

(Continuação do artigo da página anterior)

equip the fleet (... equipam a frota)

The vans have also new aluminum modular bodies, lighter and especially projected to accommodate the tools and work materials of the electricians, with six lateral compartments, removable shelves, top big trunk, support for two manual ladders, manual headlights and new basketball basket type support for cones, that provides better adjustments and it is more ergonomic.

Among the main advantages of the new vans, there are the increment of the electricians' safety and of the production and daily productivity, besides of the quickness of the access to points of the aerial network and on the re-positioning of the work.

### CHARACTERISTICS:

- **Work nominal height: 10m**
- **Top arm insulation: 46 kV**
- **Dump's load capacity: 120 kg**
- **Rotation of continuous 360°**
- **Hydraulic circuit for tools together with the dump**
- **Maximum weight with stabilizer, accessories and hydraulic oil: 850 kg**
- **Double system for emergence operation**
- **Remote systems to switch on/off and to start-up the vehicle's engine from the dump**

## TECHNOLOGY (TECNOLOGIA)

### Services Management Award for IT (Prêmio de...)

Information Technology Superintendence – TI - ITIL received on November 21<sup>st</sup> the award of best IT Infrastructure Library project implemented in the Country in 2008. The award was delivered by president of IT Service Management Forum – itSMF Brasil, Sérgio Rubinato Filho.

The award ceremony took place during the fifth edition of itSMF Brasil Conference 2008, the biggest Brazilian event about the best practices on IT services management, held on November 18<sup>th</sup> and 19<sup>th</sup> in São Paulo.

Cemig's project was chosen by more than 500 participants of the event that had the participation of big companies such as *Gol Linhas Aéreas*, *Construtora Odebrecht*, *Arcelor Mittal*, Militar Police of São Paulo, IBM and HP, among others.

The case study presented by support analyst Marcelo Amorim, of Support and Aid to Telecommunications and Computing Users Management – TC/AS, showed the trajectory of ITIL's implementation: from the process of awareness raising until the definition of the processes, roles and responsibilities, going through people's preparation for the changes and their qualification on ITIL, concluding with the search, selection and implementation of a support tool. The presentation showed the daily work of the employees of the area together with a team of managers and owners of processes in the adoption of the best practices.

According to IT's superintendent, Sergio Andreotti Tasca, this award "proved that we are on the right track", in regard the investments in qualification of human resources, design and definition of processes, in the establishment of new position and in infrastructure, aiming at improving always the services to IT's customers.

itSMF Brasil is an independent and non-profitable body worldwide recognized and dedicated to disseminate the best practices of IT services management, through the group of processes set at IT Infrastructure Library, that belongs to the British govern.

### Workshop brings experienced engineer from Canada (Workshop traz...)

On November 17<sup>th</sup> and 19<sup>th</sup>, it was held at the auditorium of Cemig's headquarters in Belo Horizonte, the workshop *Management of transmission and aerial lines assets – evaluation, re-qualification and expansion of useful life*. The main speaker was Canadian engineer and Doctor David Havard (*photo*), with over 45 years of experience on solutions of civil and mechanical engineering in power systems, and author of more than 190 published articles.

The event was an accomplishment of B2 Studies Committee – Aerial Lines of Cingré-Brasil, destined to engineers of project, construction, inspection and maintenance of transmission lines, as well as researchers and other professionals involved with distribution and transmission systems of high tension. The aim was the improvement of professionals of the electric energy sector that work with aerial lines, providing an opportunity to learn about the development phase of techniques used world widely and to compare them to the ones used in Brazil.

The event was divided into four parts: project, vibrations, conductor bundles, maintenance and refurbishment. The themes related to project engineering, such as debate of methods for the evaluation of aerial lines reliability to reduce the risks of faults to a certain occurrence, were presented on the first part of the event.

The issues regarding the eolic vibrations, starting from a brief introduction to the physical principles and damages caused by the phenomenon to the aerial conductors, were grouped together on the second part. The third part was also dedicated to movements induced by wind, but this time for conductor bundles, and to the use of spacers and spacer-dumpers.

According to technology and standardization engineer Carlos Alexandre Meireles Nascimento, of Distribution Assets Engineering Management – EG/AE, the fourth part was the most interesting one of the event as Doctor Havard presented several cases that he was involved throughout his long professional life. The participants had the opportunity to learn about the problems found and adopted solutions besides of the methodology applied on each case.

(FOTO: Moradores reconstruíram...)

Residents rebuilt their lives at Riacho da Porta Farm

## Association of re-settled families receives homage by Emater (Associação de...)

*Associação de Reassentamento Recanto Feliz* (a re-settlement association) that gathers rural proprietors re-settled by Cemig due to the formation of the reservoir of Irapé Power Station received homage as Model Re-settlement 2008 by Technical Assistance and Rural Extension Company. Based on Riacho da Porta Farm, in the county of Diamantina, the association received the homage from Emater's regional office during the celebration of the company's 60<sup>th</sup> anniversary.

The choice of the re-settlement was coordinated by Emater's Regional Strategic Development Group – GDE by appreciation and voting. Among countless evaluated associations, the group took into consideration criteria such as the participation on the Municipal Council of Sustainable Rural Development – CMDRS, power acquisition of its members, economical and social development, associativism and other aspects of sustainability.

*Associação Recanto Feliz* is formed by 18 families that were transferred to Riacho da Pedra Farm at the end of 2005. They all have their own well-structured houses and the re-settlement has also a school and a community health clinic, besides of a church built with the effort of the residents. Assisted by a special team of Emater, sponsored by Cemig, the associated members have also managed to install a community *farinheira*, from the resources of the Rural Poverty Reduction Program - RPRP.

### A distinction of the region (Destaque da região)

The regional coordinator of Emater, Inácio de Oliveira, informs that *Associação Recanto Feliz* is outstanding and that other communities are looking up to them. The choice by the associated members of the re-settlement place was decisive: “The families chose Riacho da Porta Farm because they wanted an area close to a center city where the youngsters could have a choice of study, work and leisure, that would have a fertile soil to answer the family agriculture needs and that would run along Jequitinhonha River”, he adds.

The certificate of *Model Settlement (photo)* was handed out to José do Socorro dos Santos, president of *Recanto Feliz*. Santos said that the recognition brought happiness to the community, as it was a result of a well-thought choice and of a lot of work. “As soon as we arrived there we didn't down tools: we started from where Cemig left and we carried on, and made everything on our power to deserve this homage”.

Cemig has re-settled about 650 families in the region of Irapé Power Station. 28 associations have been set up and distributed to about a hundred farms, scattered by 17 counties of the regions of the North of Minas and Jequitinhonha. Cemig's re-settlements were structured with water, electric energy and sewer systems. They have also community health clinic and public telephone, in case the near by plant do not provide it.

The re-settled families are assisted by eight teams of Emater, contracted especially to assist these families. The teams have rendered technical assistance, rural extension and social well-being services to the families since 2002, participating also of the elaboration of the Re-settlements Sustainable Development Plans – PDRs. The work has intensified after the families have moved to the new areas and it will carry on until 2010.

## COUNTRYSIDE (INTERIOR)

### Community visits Queimado UHE (Comunidade visita...)

The consortium formed by Cemig and Electric Energy Company of Brasília – CEB carried out three presentations about Queimado Power Station, located in Unaí (Northwest of Minas), in November. On the 19<sup>th</sup>, local leaderships of Brasilândia de Minas, such as representatives of the educational sector, of public bodies and of trade associations, among of which unions and fishermen colonies, clarified their doubts regarding the power station's operation (*photo*).

On the 20<sup>th</sup>, the local press and Unaí's community, including councilors, secretaries, teachers, students, fishermen, environmentalists and representatives of several public and private bodies, besides of residents of the areas close to Rio Preto, received information of the consortium's technicians about the procedures involved in the operation of the power station and the processes of generation and management of the reservoir.

Besides of that, the guests could learn a little more about the concepts regarding the hydrological basins, especially São Francisco River's. Three other lectures approached the dam's safety; environmental actions developed by the consortium in the region, such as quality water monitoring activities, re-composition of ciliary forest and the practice of environmental education, and about the work developed in Paracatu and Preto rivers by *Peixe Vivo Program*, created to preserve the fishes in the basins where there are Cemig's power stations.

The Consortium's director, Ronnie Diniz, said that the event brought the necessary information to the population that live on the section after the dam, clarifying about the operation of a power station and the procedures adopted during the rains, a period that demands more attention of those who have properties on the riverside areas. "It was an opportunity for the residents to interact with the environmental work developed on the scope area of Queimado and for them to have the real dimension of the possibilities that the power station has to aid on the reduction of the effects of the big floods", he considered.

Cemig's hydrometeorologist Alexander Gonçalves said that the main result of the meetings that have happened on the last years was the closeness with the community. According to Alexander, the reservoir is below its capacity. "Thus, the flow of the water that is arriving is the same of the one that is being discharged", informed the hydrometeorologist.

#### Brasilândia de Minas

At the presentation for the public of Brasilândia de Minas, the consortium's technicians spoke about how the power station's operation can influence the regime of Paracatu River, of which Preto River is a tributary river, besides of presenting the fish monitoring actions foreseen for the region.

Alexander explains that Queimado area represents only 12% of the total of the contribution to the city of Brasilândia de Minas, what does not have a considerable influence on the fishing and agriculture activities carried out on the riverside areas.

#### Queimado Power Station

Located in Preto River, in São Francisco basin, Queimado Hydroelectric Power Station has been working since 2004 and has a power of 105 MW, enough electric energy to supply 300 thousand consumers. The enterprise is administrated by the consortium between Cemig, that has 82.5% of participation and CEB that has 17.5% of participation.

## EFFICIENTIA BRIEFING (INFORME EFFICIENTIA)

### Connection Management at *Ituiutaba Bioenergia* (Gestão da conexão...)

During the meeting *Business Opportunities on Electric Energy with the Sugar-energetic Sector*, held in Uberaba on December 3<sup>rd</sup> and 4<sup>th</sup>, it was signed the second contract of Efficientia with a company of the sugar and alcohol sector, *Ituiutaba Bioenergia*, for the construction of the enterprise of connection with the electric system, performance of adjustments at Cemig's Sub-station – SE Ituiutaba 1, and of a transmission line connecting it to the SE of the customer.

The first service is regarding the construction of an entrance bay at SE Ituiutaba 1, performed in agreement with Brazilian norms and Cemig's standards. Another service is regarding the construction of a transmission line – LT on a triphase tension of 138 kV, with capacity of 180 MVA of transmission. The LT extension will of 29 kilometers, 5 of which built on urban section and the rest on rural section, connection both SEs.

According to project's coordinator, Dieter Kux, the main activity of *Ituiutaba Bioenergia* is the production of alcohol and sugar, integrating the co-generation of electric energy, from the good use of the cane-trash. On this process, the biomass is burnt on a boiler to generate steam, which is used to activate a turbine attached to an electric energy generator. Initially, the capacity of power injection on the system will be of 40 MW, in 2009, reaching 80 MW in 2011.

### **Revitalization of the front of São Francisco de Paula Church in Ouro Fino** (Revitalização da...)

Considered one of the most beautiful and impressive churches of the South region of Minas, São Francisco de Paula Church in Ouro Fino, was built in 1899 and it had a simple and rustic style up to 1927 when it underwent a refurbishment that last more than ten years and gave it the architectural design that characterized it.

Last May, Cemig was contacted to elaborate a project to revitalize the lighting of its front and to emphasize its architectural beauty. After the project's elaboration by Distribution Assets Engineering Management – EG/AE, the project was presented to the City Hall of Ouro Fino, and the works started right after that.

With a partnership among South Planning and Expansion Management – DL/ES, Commercial Relations and Services Management of Pouso Alegre – DL/PA and of South Operation and Maintenance Management – DL/MS, the work was concluded in record time, to be opened before Christmas celebrations that took place on December 7<sup>th</sup>, with the community's presence.

### **The number of thefts falls down** (Cai o número...)

Property and Industrial Security Management – LI/PS implemented in 2008 a new strategy to fulfill the demands of investigation of the thefts against Cemig, in Minas Gerais, that resulted in the fall of 75 and 25% of losses of cables and of transformers respectively.

According to LI/PS' manager, Marcelo Alkimin Ferreira de Pádua, Cemig suffered, throughout 2007, a loss of 345 transformers and 66.235 meters of cables. In the following year, with *Property and Industrial Security Management*, this number was reduced considerably to 167 transformers and 24.816 meters of cables.

The strategy guided the definition of the elected cities for the weekly reception of the investigation service by specific technical factors. One or two more cities of the same region or the travel itinerary were included to the counties contemplated with the service.

In parallel, the strategic process added the practice of weekly instruction with investigative case studies, aiming at unifying procedures, guaranteeing guidance and automatizing common initiatives, to speed up the assessment of the thefts and the assertiveness on the resulting police procedures with quality improvement.

## SUSTAINABILITY (SUSTENTABILIDADE)

### Second Christmas of the sustainability (Segundo Natal...)

For the second year on end, Cemig has carried out a Christmas decoration towards the theme of sustainability. The entrance of Cemig's headquarters shows a theme stand (*photo*) where a giant Santa Klaus welcomes the public and talks to a talking pine-tree about consumption, biodiversity and environment, disseminating concepts about the preservation of life in the planet. On the outside of the building, huge circles of lights on the four sides and blocks full of Christmas decoration call the attention of those who go along Avenida Barbacena, in Santo Agostinho neighborhood, in Belo Horizonte, where is the Company's headquarters.

According to the cultural analyst, Cecília Bhering Magalhães Pinto, of Entrepreneurial Communication Superintendence – EC, the Company carries on the work started last Christmas, when two talking bears showed their sadness because of the planet's deterioration and the climate changes and they asked to Santa Klaus to help to solve the problem of the North Pole. "It is one of Cemig's ways to demonstrate once again its concern with the destiny of Earth and to disseminate its sustainable management, the way as it is inserted in the society and also how aware of these issues it is".

To reinforce the message, the radio spots with the theme *The planet is your home, use the energy to create a better world*, broadcasted at Christmas 2007, were updated and broadcasted again.

#### Christmas of Light (Natal de Luz)

Liberty Square got adornments all over the garden, mixing giant snowmen, walking-sticks, gifts and a variety of Santa Klaus figures, besides of the traditional light strings and balls.

The lighting of the square was projected by expert in Christmas decoration, Cláudia Travesso, starts to work simultaneously at four different spots. At the same time, 20 thousand meters of micro-lightbulbs and a large extension of a light hose – equivalent to a kilometer - strings of the Palmistes and the colorful balls are turned on. On the top of that, big green bells are lifted over the central alameda, joint by the Palmistes, while an abundance of stars and laces decorate the other four corners of the square, plants and bandstand.

#### Countryside (Interior)

In the countryside of the State, millions of micro-lightbulbs illuminated monuments, churches, squares, city halls, avenues and streets in the counties of Almenara, Araxá, Cláudio, Conceição do Mato Dentro, Diamantina, Indaiabira, Itamarandiba, Itapagipe, Juiz de Fora, Lavras, Montes Claros, Montezuma, Paracatu, Pirapora, Rio Pardo de Minas, Sabinópolis, Santo Antônio do Retiro, São Domingos do Prata, São Francisco, São João del Rei, Tiradentes, Três Marias, Unaí, Vargem Grande do Rio Pardo, Varginha and Divinópolis.

## CEMIGNEWS

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