

CONSERVATION CORNER

It's the DRYEST Year on Record

The wise use of water has become a "way of life" here in Southern California. Because this is the driest year since we began keeping records in 1878, **water conservation is even more important this summer.** To add to the unease, Northern California and the Colorado River, the sources of Southern California's water, are also experiencing a dry year.

After the prolonged drought of 1980's-1990's, water providers throughout California realized there was a need for additional storage areas to protect against future unusually dry years. As a result, this year there is no need for *mandatory* water rationing. However, because unusually dry years often come in pairs, **we must voluntarily reduce our water usage this year to insure that there will be a sufficient supply of water in storage for next year.**

It's easy to save water:

- Fix leaks within 72 hours. This is required by a Glendale ordinance.
- Don't leave the water running while brushing your teeth or shaving.
- Take shorter showers.
- Only wash full loads in the washing machine and dish washer.
- Don't leave the water running when washing your car...use a nozzle with an automatic shut-off.

Let us help you reduce your water use. Call 818-265-5062 to make an appointment for a free "Smart Home Energy and Water Survey" offered by Glendale *Water & Power*.



GWP to Repair Transmission Line & Towers



In 2004, GWP Electric Department used a helicopter to set 12 new power poles on top of the mountain overlooking Brand Park. Helicopters are again being used in the transmission line and towers project in almost the same location.

Beginning in late May, in the Verdugo Mountains above Brand Park, GWP started upgrading and replacing a power transmission line and reinforcing the footings under the 14 towers that support it. In 2005, lightning caused damages to the wires in the line. Soil erosion under the footings supporting the transmission towers have made them potentially unstable. The line, which stretches over seven miles from Brand Park to Montrose, provides the back-up delivery of power to Northern Glendale.

The repair of the transmission line will improve the reliability of GWP's electric service and minimize the possibility of long outages. Additionally, the line will be upgraded to from the present 34.5 kV to 69 kV which will increase its capacity. Due to terrain that can not be reached by land vehicles, GWP will be using helicopters to deliver the footing materials and install the new line.

GWP has set up a hot-line for customers to call with questions or concerns at (818) 548-3923. Additional information can also be found on GWP's website www.GlendaleWaterAndPower.com.

The City of Glendale
and the Brand Boulevard of Cars present

CRUISE NIGHT

SATURDAY, JULY 21, 2007
SATURDAY, JULY 21, 2007

★ 5:30 - 10:30 p.m.

★ In the heart of Glendale on Brand Blvd.

★ FREE live entertainment featuring your favorite tunes from the '50s & '60s

★ Over 400 classic cars

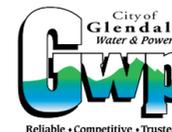
Information Hotline: (818) 548-6464 or visit www.glendalecruisenight.com

ReSource Central

Glendale *Water & Power* Office Hours

Customer Services Hours: Monday – Thursday 8:30 a.m. – 5:00 p.m. **Fridays: 8:30 a.m. – 4:30 p.m.**
 Drive-Up Bill Payment Hours: Monday – Friday 9:00 a.m. – 4:00 p.m.
 Engineering Counter Hours: Monday – Thursday 7:30 a.m. – 4:45 p.m. **Fridays: 8:00 a.m. – 4:15 p.m.**
CLOSED: Wednesday, July 4 (Independence Day)

Glendale *Water & Power* Commission Meetings: 1st Monday of each month 4:00 p.m.
 Glendale City Council Chambers (except holidays)



GWP Electric Bill Questions: 818.548.3300	Water Emergencies: 818.548.2011	Senior Citizen Discounts: 818.548.3300	Smart Home Air Conditioning/Duct Programs: 1.877.422.2432 (toll-free)
GWP Water Bill Questions: 818.548.3300	Street Light Repair: 818.548.2011	Smart Home Surveys: 818.265.5062	Smart Business Lighting Rebates Program: 818.548.2750
GWP Automated Telephone Service: 818.548.3300	Trees in Electric Wires: 818.548.4861 or 818.548.2011	Smart Home Rebates: 1.866.557.1411 (toll-free)	Smart Business Energy Saving & Upgrade Program: 1.800.263.9313
GWP Automated Telephone Service For Hearing Impaired (TTY): 818.409.7062	Tree Power: 818.957.4425	Smart Home Solar Solutions: 818.548.2750	
Power Outage: 818.548.2011		Peak Hogs Program: 818.548.3300	

From The **Source** Glendale *Water & Power* News

141 North Glendale Ave., Level 2, Glendale, CA 91206

June 2007 ● Volume 7, Number 3

City of Glendale *Water & Power*
GWP
Reliable • Competitive • Trusted



**Save Water
Make It A Way of Life.**

An Educational Day at the Utility Operations Center

160 3rd and 4th grade students from three local schools enjoyed a morning at GWP's Utility Operations Center (UOC) learning how to conserve water and be safe around electricity.

Students were first treated to a live theatre production by the National Theatre for Children, "A Boat Load of Trouble" which taught them the importance of water conservation, and how to save water around their homes. Students then separated into four groups and visited a variety of stations. At one, they learned about the importance of keeping our water clean. At another, they learned electrical safety rules. The importance of water conservation was explained at another station. Water conservation examples included how to save water while brushing their teeth, playing outside and helping their parents.

As a memento of their morning at the UOC, each student was given a photo of himself or herself wearing an official hard hat and vest, and posing as an electric line worker.

"This was a very educational field trip," stated Ms. Caroline Badalian, Chamlian Armenian School's 4th Grade Teacher. "We are learning all of this in our classrooms and GWP just reinforced all the important messages we taught our students. It's perfect timing. More schools should take advantage of this type of field trip. Our students really had a great time!"



Staying In Tune With The Environment GWP's Commitment to the Environment

Glendale *Water & Power* is committed to reducing its environmental footprint through development of renewable energy, investments in local energy efficiency resources, tracking of green house gas emissions, and reduction of CO2 emissions.

On our website www.GlendaleWaterAndPower.com, we have launched a new section entitled "Environmental Stewardship" to encourage energy conservation and outline the measures the City is taking to reduce green house gas emissions.

GWP Interim Director Dan Waters encourages all our customers to visit this new addition to our website. "We want to make people aware of GWP's commitment to the environment and what individuals can do to help conserve energy and reduce green house gas emissions," says Waters.

Commitment to Renewable Clean Energy

Clean, "green" renewable resources, sun, wind, water, geothermal, landfill gas either cannot be used up or are quickly replenished through natural processes. They produce little or no air pollutants, and they do not contribute to global warming.

GWP has a long history of promoting clean energy. In 1937 Glendale became one of the first California cities to contract with the Federal Government to purchase hydropower from Hoover Dam. In 1994, GWP began piping landfill (methane) gas from Scholl Canyon landfill to use as fuel at our Grayson Power plant.

GWP adopted a Renewables Portfolio Standard (RPS) in 2004. A RPS sets a goal and timeline for the percentage of energy that will be supplied by renewable generation sources. We have established our RPS goal that 20% of the energy we provide will be generated by renewable (green power) resources by the year 2017. This will be increased to 23% if it can be reached at a reasonable cost.

In 2005, to show our serious intent to address climate change, GWP became one of the first municipal utilities in California to join the California Climate Action Registry (Registry) and voluntarily report our green house gas emissions from the generation of electricity to the Registry's rigorous program. In 2006, we were the first municipal utility in Southern California to earn the distinction of "Climate Action Leader". Today, we are only 4% short of our initial goal. On an annual basis,

approximately 16% of the electricity we provide to our customers comes from renewable resources. Here are some of the actions we have taken to meet this goal:

- In 2005-06, GWP generated approximately over 70,000 MWh from local landfill gas
- In 2003, Glendale signed a 25-year contract for a 9 MW share of a wind electric generation facility in northern California
- In 2006 Glendale signed a 16-year power purchase contract to receive up to 10 MW of capacity from a wind electric generation facility in western Wyoming
- In 2006, commenced a 25-year contract to purchase up to 3 MW of geothermal power, we are currently receiving 8,400 MWh a year.

GWP's Renewable Resources

Resources	Type	Capacity (MW)	Maximum Energy (MWh/year)
Hoover	Hydro	20	68,000
PPM Wind 1	Wind	3	26,208
PPM Wind 2	Wind	10	29,000
Ormat	Geothermal	1	8,400
Scholl Landfill	Landfill Gas	8	70,800

Energy Efficiency Goals and Actions

GWP has set an annual energy savings goal of 1% of retail sales over the previous five years. In simple terms, this is enough electricity to power 1,400 single family homes in Glendale. The state goal is 1% of annual retail sales. The most successful states are achieving 0.2% to 0.8%.

- Last year, our programs reached 0.77%. We have averaged 0.82% per year for the past five years, ranking us among the most successful areas in the county and just below the state target.
- GWP ranked 4th in total energy efficiency savings among 39 California publicly owned utilities in FY 2005-2006
- Incremental demand reductions reached 2,282Kw and incremental energy savings approached 8,463 MWh, which is enough to power 1,100 homes for a year
- GWP energy savings programs reduced carbon dioxide emissions by an estimated 42,000 tons, the equivalent emissions of 10,000 cars each driving 12,700 miles.

Carbon Dioxide (CO2 Reduction)

Finally, in addition to saving energy, our "Tree Power" program helps reduce our environmental footprint through the capture of carbon dioxide from our local air.

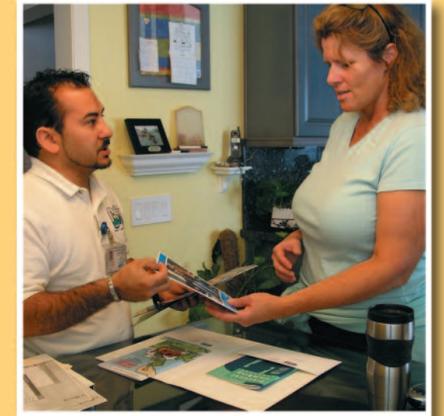
Every tree planted through our "Tree Power" program absorbs an estimated

- 10lbs of air pollutants, including 4lbs of ozone and 3lbs of particulates
- Removes the NOx equivalent of a typical car driven 3,600 miles
- Cleans 330 lbs of CO2 from the atmosphere, about the same amount released by a typical car driven 500 miles.



Make Your Home a "Smart Home"

The Waltons Did It, So Can You.



The Waltons are GWP customers who live in a 75 year old house in the Glendale foothills. To make their home a "Smart Home", it needed several upgrades and improvements. With the help of GWP's Public Benefit Programs, the Waltons are now saving energy and water daily.

According to Michelle Walton, their home is now as energy efficient as possible. "We had been researching the different ways we could make our home more energy and water efficient. We found out GWP has many programs that can help us save more money on our bills. We are very pleased with what we have accomplished here."

Was it worth it? You be the judge. The last GWP bill they received was \$200 less than the previous one. Want to make your home a **Smart Home** like the Walton's? Here's how they did it:

Their first step was to make an appointment for a free GWP **Smart Home Energy and Water Survey**. Armen, the GWP surveyor, checked their home's insulation, heating and air conditioning systems, outdoor watering system, and the water flows in all faucets. He gave them information about water and electric conservation and helped them detect any problem areas in their home that could be the reason for their high electric and water bills.

The survey report pointed out that they were losing significant hot and cold air due to a lack of adequate insulation, old loose fitting windows, and recessed lighting that wasn't properly sealed. With survey report in hand, the Waltons began their upgrades.

First, they had new insulation blown into all the walls and attic and installed in the basement. They also installed new ENERGY STAR® rated windows to eliminate the loss of air and ENERGY STAR® approved appliances that conserve water and energy. By replacing all their incandescent light bulbs with compact fluorescent ones, they are saving almost 75% on their lighting bills.

The installation of a photovoltaic solar system on their garage roof will save them an estimated \$530 in energy dollars each year. Michelle Walton explained, "You can actually see the electric meter going backwards." They also received a substantial rebate for their system through GWP's **Solar Solutions Program**.

Information on making your home a **Smart Home**, using GWP's various programs, can be found on our web site www.GlendaleWaterAndPower.com.

New Income Qualifying Guidelines for Low-income GWP Programs

Glendale *Water & Power* has raised the annual income eligibility guidelines for our low-income customer programs. These guidelines apply to the **Senior Care**, **Cool Care** and **Helping Hand** programs.

SENIOR CARE: provides electric bill discounts of \$12 per month for income-qualified seniors age 62 or older, or income-qualified customers age 55 or older receiving medical retirement or with permanent disabilities that prevent employment.

COOL CARE: a refrigerator replacement program that provides income qualified customers with a new ENERGY STAR® refrigerator for \$100 to replace their inefficient model.

HELPING HAND: a one-time GWP bill or deposit assistance for income qualified customers experiencing a temporary financial emergency.

2007 Income Eligibility Guidelines

Number of Household Members	Annual Income Eligibility Limit
1-2	\$29,300
3	\$34,400
4	\$41,500
5	\$48,600

For each additional household member, add **\$7,100**.