

# Currents



*Always There for You!*

# TRANSITIONING to Renewable Energy

BWP is driving to a 100% greenhouse gas-free power supply by 2040.

To achieve this ambitious goal, Burbank will need to say hello to more renewable energy.

This transition to greenhouse gas-free energy will take time, effort, and a lot of planning if we are to continue providing services that are reliable, affordable, and sustainable.

Customers can play a huge role in helping our community transition to a cleaner energy future.

Going forward, we will generate more electricity from renewables like wind and solar. We will

continue our investigation of energy storage.

A successful transition will require all of us to think and behave differently.

Conservation and energy efficiency are effective tools and will become more important. When and how you use electricity will also make a big difference.

The articles in this issue of *Currents* discuss how BWP and its customer-owners can help build a greenhouse gas-free future.

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# TRANSITIONING to Renewable Energy

In our effort to reach our aspirational goal of 100% greenhouse gas-free electricity by 2040, BWP will be adding more energy from non-polluting sources like solar and wind. Our goal is not easy, and the solutions are not always obvious, but nothing important ever is.

Ultimately, solar power will play an increasingly more significant role in our clean energy future. Solar prices have come down dramatically in the last decade, and further reductions are expected, but widespread use of solar power requires a lot of land.

Thousands of acres of land will be needed to power Burbank with solar. And solar only produces electricity when the sun is shining. What if you wanted to watch a night-time ballgame or stream a movie after the sun went down?

That's why energy storage has to be part of BWP's plan for a cleaner energy future.

Utility-scale battery storage prices are coming down, and although the performance of these units is improving, they're not quite ready to shoulder the burden of storing electricity for about 50,000 BWP customers. Today, there are no affordable, reliable energy storage options available to Burbank that can store the amount of energy needed to power the City when the sun is not shining for extended periods.

Utah, Nevada, and Wyoming have a lot of available land. These states are also sunny and windy which means they have great potential for developing renewable energy.



Solar only produces electricity when the sun is shining. As Burbank generates more electricity from solar, when and how you use electricity becomes even more important.



**Holding onto these transmission rights creates a superhighway to bring electricity to Burbank.**

Burbank has very valuable rights to transmission lines that bring electricity from Utah through Nevada and into Southern California, with the possibility of extending these lines into Wyoming.

By Burbank retaining these valuable transmission lines, exploring utility-scale storage, and investing in renewable energy, BWP is working to balance reliable service with affordable prices and taking a giant step toward meeting our greenhouse gas goals.



# Timing Is Everything:

## On Burbank's Journey to GHG-Free

As Burbank increases the use of renewable energy, especially solar power, the day and time when you use electricity becomes very important.

Technology to produce energy by the sun or wind is developing fast but the energy generated is intermittent. Starting in the morning and peaking in the afternoon, there is an abundant supply of solar. Then it falls off rapidly as the sun sets.

Large battery storage technologies are expensive and not yet viable to store the amount of solar energy needed to power the City at night.

This is where you as the consumer play a huge role.

Think about a bright spring weekend. Businesses are closed, the temperatures are mild so you open the windows and leave the air conditioner turned off. The sun is shining brightly, producing lots and lots of electricity, but customers are not using it.

On the other hand, think about the end of a hot summer day, between 5 p.m. and 8 p.m. Many businesses are still open. People are getting home and turning on their air conditioner. But the sun is setting fast and solar panels generate less electricity.

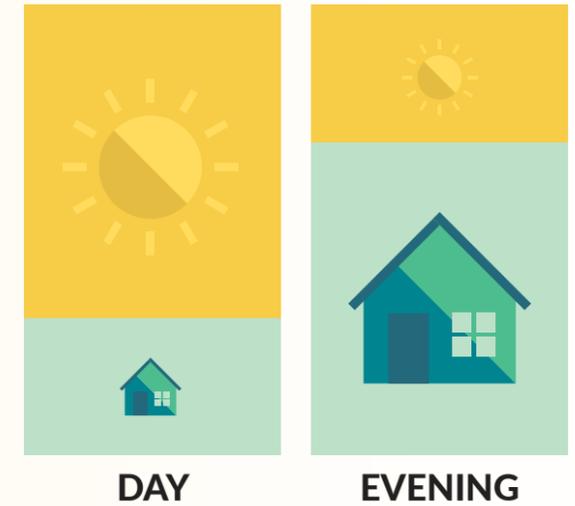
**Technology to produce energy by the sun or wind is developing fast but the energy generated is intermittent.**

As Burbank depends more and more on solar as a renewable energy source, we all need to think about the time of the day that solar energy is produced and when customers can choose or control when they use it.

Choosing when you use electricity can help BWP manage community electric reliability, total costs, and GHG emissions.

### Throughout the day the power demand changes.

During the day, the sun is producing a lot of energy but your home is barely using any of it. In the evening, your home starts to demand more energy but the sun is producing less of it.



No matter what time it is, some things always make sense:

#### PRACTICE ENERGY CONSERVATION.

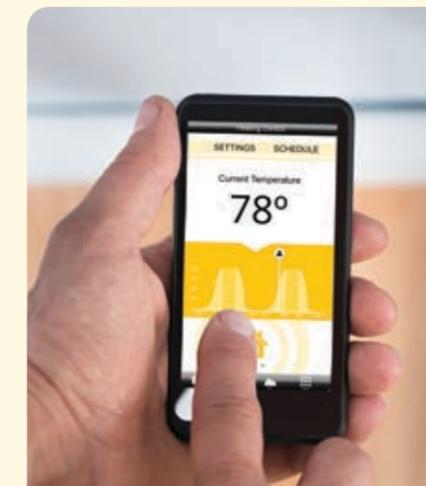
The cleanest electricity is the electricity that is not generated. Remember to turn off appliances and lights when not needed. Do the laundry and other chores when the sun is shining, on the weekend or during the day if you are home.

#### USE SMART CONTROLS.

Smart controls can take a lot of the guesswork out of home energy use. Motion sensors can turn off lights in an unoccupied room. Smart thermostats can automatically cool your home a few degrees mid-day, while the sun is still shining, to get full use of solar energy before BWP has to turn on other sources of energy.

#### MAKE YOUR HOME MORE EFFICIENT.

Use the most efficient appliances you can afford and take advantage of the many Federal, State, or local programs and rebates. Or have the **FREE** Home Improvement Program install many efficiency products for you. You can set up an appointment by calling (866) 365-7358.



Pages 6-9 of this issue have more info about rebates and programs. ▶

# Burbank Water and Power Can Help You Save Money All Over Your Home!

Your home is already full of opportunities to save money and conserve resources. BWP can help with a wide variety of rebates and programs that you can take advantage of right now.

## PROGRAMS from Burbank Water and Power

### HOME IMPROVEMENT PROGRAM

BWP's Home Improvement Program offers ALL Burbank residents the opportunity to elevate the comfort and energy efficiency of their home through free energy and water saving improvements at no cost.

- Air Sealing (Blower Door test, sealing air leaks, and combustion safety test)
- Sprinkler System Check and Sprinkler Controller Programming
- Attic Insulation
- Central Air Conditioner Tune-Up
- Duct Sealing
- High Efficiency Toilets
- Energy-Saving Light Bulbs
- Thermostatic Showerhead Control Valve
- Water Efficient Showerheads
- Water Efficient Aerators
- Water Pipe Insulation

### REFRIGERATOR EXCHANGE PROGRAM

Provides a free ENERGY STAR Refrigerator for income-qualified and Lifeline-approved customers.

### SHADE TREE PROGRAM

Provides up to three free shade trees for residents and up to 20 free trees for businesses.

### LIFELINE PROGRAM

Offers a reduced electric rate for income-qualified customers.

### LIFE SUPPORT PROGRAM

Offers customers that require the use of Life Support Equipment in their home an exemption from the Utility User's Tax on their bill.

## REBATES from Burbank Water and Power

Item	Purchased in Burbank	Purchased Online/Outside of Burbank
ENERGY STAR Ceiling Fan	\$25	\$15
ENERGY STAR Refrigerator/Freezer	\$75	\$50
ENERGY STAR Room Air Conditioner	\$35	\$20
Smart Thermostat	\$50	\$25
Variable Speed Pool Pump	\$400	\$200
Pool Cover	\$50 bill credit	\$50 bill credit
Central Air Conditioning		
SEER 15-15.9	\$160/ton	\$140/ton
SEER 16+	\$180/ton	\$160/ton
SEER18+	\$250/ton	\$230/ton
Attic Insulation	\$0.15/sq ft	\$0.10/sq ft
Wall Insulation	\$0.15/sq ft	\$0.10/sq ft
Level 2 Electric Vehicle Charger	Up to \$500 for residents, Up to \$2,000 for Commercial	



Conditions or restrictions may apply. Contact BWP or the appropriate agency for more details.

# Your Home Is Full of Saving Opportunities from BWP's Partners!

In addition to all the ways BWP can save you money inside and outside your home, Burbank residents can take advantage of these other rebates at any time.

## REBATES from SoCal Gas | [www.socalgas.com](http://www.socalgas.com)

Item	Incentive
Smart Thermostat	\$50
Bundled Washer and Dryer	\$125 on ENERGY STAR Most Efficient 2019 Clothes Washer when paired with an ENERGY STAR Certified Natural Gas dryer; \$100 rebate on ENERGY STAR Certified Clothes Washer when paired with an ENERGY STAR Certified Natural gas Dryer
ENERGY STAR Certified Natural Gas Dryer	\$50
Tankless Water Heater	\$400-\$600 on various high efficiency or ENERGY STAR Certified models
ENERGY STAR Certified High-Efficiency Natural Gas Storage Water Heater	\$175
Wall Insulation	\$0.30/sq ft
Attic Insulation	\$0.15/sq ft
Natural Gas Pool Heater	\$300-\$750 on select pool heaters
ENERGY STAR Natural Gas Furnace	\$150-\$200
Gravity Wall Furnace	\$50

## REBATES from SoCal Water Smart | [www.SoCalWaterSmart.com](http://www.SoCalWaterSmart.com)

Item	Incentive
Premium High Efficiency Toilets	Start at \$40
High Efficiency Clothes Washer	Start at \$85
Weather-based Irrigation Controller or Soil Moisture Sensor System	Start at \$80/Controller, and \$35/Station
Rotating Sprinkler Nozzles	\$2/nozzle (Minimum Quantity of 30)
Rain Barrels	\$35 per Rain Barrel (Maximum Quantity of 2)
Cisterns	\$250 per 200-500 gallon Cistern (Maximum Quantity of 1) \$300 per 501-999 gallon Cistern (Maximum Quantity of 1) \$350 per 1000+ gallon Cistern (Maximum Quantity of 1)
Turf Replacement	\$2/sq ft

TURN THE PAGE to see savings available direct from BWP!



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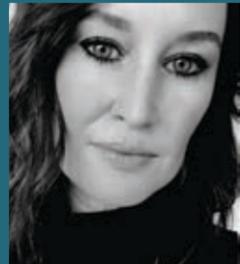
# ONEBurbank: Providing Lightning-Fast Speed to ESL



ONEBurbank is a suite of BWP fiber optic services offered to Burbank businesses looking for exceptionally fast and reliable bandwidth. Visit ONEBurbank at [ONEBurbank.com](http://ONEBurbank.com)

ESL is the world's largest esports company and the industry leader in hosting premier online and offline esports competitions. What is esports? It's organized, competitive, multiplayer gaming events and leagues broadcast to viewers across the globe, and its popularity is exploding. Founded in 2000, ESL has nearly two decades of experience in developing and promoting esports competitions at all levels from amateur to professional, and across all platforms, geographies, and game types. ESL One, Intel Extreme Masters, and ESL Pro League are just some of the high profile, branded international leagues and tournaments operated by ESL. With offices worldwide, ESL leads the market in esports and gaming technology, storytelling, event management, advertising, and television production. The company strives to create an esports ecosystem open and accessible to all.

Heather Rosenfeldt, ESL's Vice President of Business Operations, shares her experience with BWP's ONEBurbank fiber service:



Heather Rosenfeldt, V.P. of Business Operations

The nature of our business requires a lightning fast network connection to deliver high speed, low latency internet. We constantly need the best possible connection for hosting esports events at our headquarters and broadcasting to millions of viewers. In a high-stakes competition, every millisecond counts! We must be able to provide high megabit per second download and upload speeds to ensure quality latency for players and viewers around the world.

We noticed several Burbank-based companies and brands in industries similar to our own were all using ONEBurbank fiber. That caught our attention. We looked further into ONEBurbank's capabilities and determined that our business goals align with what ONEBurbank has to offer. Our service with ONEBurbank has been excellent! We've had nothing but success in delivering quality esports content to eager fans. We look forward to a long and successful relationship with ONEBurbank.

We welcome ESL as another satisfied ONEBurbank customer!

Visit their website at [eslgaming.com](http://eslgaming.com) for more information.



## Help Prevent Wildfires

### by Trimming Your Trees!

Tree limbs are at increased risk of coming into contact with power lines when our area experiences high winds and dry conditions. Tree limbs on power lines can create sparks, break lines, and even snap utility poles – all of which could lead to fires.

Wildfires pose a tremendous risk to communities in California, as we saw in 2017 with the Thomas Fire and in 2018 with the Woolsey Fire. Please join us in working to prevent tragedies like this in the Burbank community!

We urge residents to have professional tree trimmers prune their trees, particularly if they are near power lines. Property owners have primary responsibility for pruning their trees and ensuring they stay away from power lines.

If you see trees in or near the power lines, please notify BWP at (818) 238-3700.

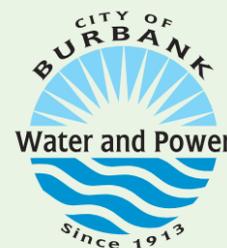
Working together, we can minimize the threat of wildfires this season.

## Less Turf = Less Yard Maintenance

Reduce landscape maintenance costs by replacing your turf with a beautiful native landscape. Save water, money, and enjoy your weekends.



Learn more at [SoCalWaterSmart.com](http://SoCalWaterSmart.com)



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# OPEN HOUSE

10 a.m. - 2 p.m. on Saturday, October 26, 2019

@ 164 W. Magnolia Blvd. [BurbankWaterAndPower.com](http://BurbankWaterAndPower.com)

### LEARN

Get information on all the programs and services provided by your local utility.



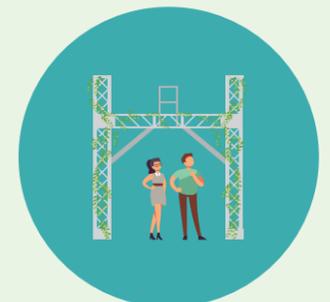
### PLAY

Bring your whole family for fun activities including the Bucket Truck Ride!



### EXPLORE

Tour BWP's EcoCampus and experience our breathtaking Centennial Courtyard.





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ECRWSS

**Please use water  
and energy wisely.**

**Postal Customer**



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## How to Contact Us

**Customer Service:**  
(818) 238-3700

**Conservation Services:**  
(818) 238-3730

**After-Hours Emergency:**  
(818) 238-3778

**Water Services:**  
(818) 238-3500

**Street Light Outages:**  
(818) 238-3700

**ONEBurbank:**  
(818) 238-3113

**Electric Services:**  
(818) 238-3575



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**Let BWP know how we are doing at**  
[surveymonkey.com/r/BWPCurrents](https://surveymonkey.com/r/BWPCurrents)

**Visit us online at:**  
[BurbankWaterAndPower.com](http://BurbankWaterAndPower.com)  
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