

## **MATH ACTIVITY: Water Situations in Other Cities**

Teacher will ask students to research a city on their water cost, water situation, and any water restrictions they may have. Teachers may pick the city for the students or allow the students to pick a city. Tell students to consider someone (a friend or relative) they may know in another city or state that they can call up and ask questions about the water situation there. Students should use the question sheet as a guide but not limit themselves to those questions to research. Students are to bring back their findings to share with the class. A discussion about the correlation between the water cost and restrictions will take place.

Teacher may want to model one city for the class. A list of useful websites and screenshots are attached for you to consider.

### **Useful Websites:**

<http://www.pinellascounty.org/utilities/water-restrict.htm>

<http://www.pinellascounty.org/utilities/fees.htm>

<http://www.saws.org/conservation/droughtrestrictions/stagetwo.cfm>

[http://www.saws.org/Service/Rates/watersupply\\_fee.cfm](http://www.saws.org/Service/Rates/watersupply_fee.cfm)

<http://www.saws.org/Service/Rates/Resident.cfm>

<http://www.sfwater.org/index.aspx?page=168>

[https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-financesandreports/a-fr-waterrares/a-fr-wr-schedulearesidential?\\_adf.ctrl-state=16fzq9dcaw\\_4&\\_afLoop=75152937341198](https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-financesandreports/a-fr-waterrares/a-fr-wr-schedulearesidential?_adf.ctrl-state=16fzq9dcaw_4&_afLoop=75152937341198)

<http://www.lawaterrestrictions.net/current-water-restrictions/>

[http://www.lvwd.com/custserv/billing\\_rates\\_thresholds.html](http://www.lvwd.com/custserv/billing_rates_thresholds.html)

[http://www.lvwd.com/conservation/drought\\_watering\\_schedule.html](http://www.lvwd.com/conservation/drought_watering_schedule.html)

**Possible Modifications:** Teachers may want to pair students to make it a shared assignment. Teachers should modify cities of their choice.

### Cities with Water Restrictions

**Instruction:** Students will research a city about their water situation. Teacher may allow students to pick their own city or assign cities by randomly pulling cards below. Students should be able to answer the follow questions after their research:

1. What is the unit rate for water in gallons and cubic feet? How does it compare to our district?
2. What is the total cost for the average monthly water usage (12,000 gallons)?
3. Are there any set fees or dues for water before the amount of water is calculated? How much is it?
4. What other cost do you notice (ex. maintenance fee, etc.) that is not in our district?
5. Are there any water restrictions or rules in place?
6. Optional: Interview relatives or friends who live in that city about their knowledge of the water situation there.

Pinellas County, Florida	San Antonio, Texas
Southern Nevada	San Francisco, CA
Phoenix, AZ	Los Angeles, CA
Tampa, FL	Austin, Texas
Fort Worth, TX	Salt Lake, UT
Denver, CO	Albuquerque, NM
Your choice	Your choice