

1 establish the health and environmental  
2 consequences of fracking. We need no  
3 more studies to establish the health  
4 and environmental consequences of  
5 fracking, and it doesn't matter whether  
6 it's the fracking process itself or the  
7 related activities.

8 It's all bad. It's all  
9 bad, and so as a manufacturer, as a  
10 businessman --- and I know you don't  
11 often have manufacturers and  
12 businessmen to speak here because  
13 they're reluctant to speak here, but  
14 today I speak. We need to have a ban  
15 on any related activity to fracking in  
16 the Delaware River Basin Commission.  
17 Thank you.

18 HEARING OFFICER:

19 Thank you, sir. Harriet  
20 Shugarman, and then Bill Shaughnessy  
21 and then Ling Tsou. All right. This  
22 is Ms. Shugarman. If you would,  
23 please, ma'am.

24 MS. SHUGARMAN:

25 Thank you. I'm Harriet

1 Shugarman, the Executive Director of  
2 Climate Mama, a national organization  
3 with members from all the basin state.  
4 And I'm here also in my capacity as the  
5 New York City Chair of the Climate  
6 Reality Project.

7 I'm an adjunct professor  
8 at Brownville College of New Jersey  
9 where I teach a senior level course in  
10 global climate change policy, and I  
11 traveled here from Bergen, New Jersey  
12 today.

13 I will be focusing my  
14 remarks on the climate impacts that  
15 threaten the basin. The realities that  
16 climate change already brings to bear  
17 the region must be considered, as must  
18 the future climate change impacts as  
19 best we can. I'm not sure how closely  
20 you've been following the arrival of  
21 day zero in Cape Town, South Africa.

22 Cape Town is a  
23 sophisticated city with sustainability  
24 programs that serve as models around  
25 the world, yet as early as July 9th of

1 this year, the taps for nearly one  
2 million people will be turned off. The  
3 drought that has created this near Max  
4 Max scenario came seemingly out of  
5 nowhere in the last three years.  
6 Providing them water is not an easy  
7 task, particularly as we live climate  
8 change.

9           It is one that you as  
10 guardians of our basin are working to  
11 arrive at. I know that. With the  
12 impacts of climate change ever present,  
13 though, anything that threatens the  
14 flora and the fauna that rely on the  
15 Delaware to survive and the absence of  
16 more than 15 million people who live in  
17 the basin to the clean and reliable  
18 waters of the Delaware must be stopped.

19           Earlier this week,  
20 astonishing scientists, the Arctic  
21 recorded temperatures above zero, 45  
22 degrees above normal. It's not an  
23 anomaly.

24           This is something that's  
25 happened numerous times over the past

1        few years. This occurs as we in the  
2        northeast are also baking in an  
3        unseeingly warm February for the second  
4        year in a row. New York City, D.C.,  
5        Boston and Portland, Maine all set new  
6        high temperatures this week, with  
7        Pittsburgh breaking a 127-year heat  
8        record, hitting 78 degrees yesterday.  
9        These types of extremes are happening  
10       with more regularity and frequency all  
11       around the world.

12                    This past summer New York  
13       magazine published the article, an  
14       Uninhabitable Earth. They looked at  
15       the worst case scenario of unchecked  
16       climate change.

17                    As policy makers, we  
18       often use the middle of the standard  
19       deviation when assessing possible  
20       scenarios. There are no clear settings  
21       to tell us how soon or when climate  
22       impacts will be catastrophic, but this  
23       asks us to look one to two standard  
24       deviations away from the norm.

25                    There were push-backs

1 including from climate scientists, yet  
2 we should not use the precautionary  
3 principle when considering something as  
4 critical as our access to fresh water?

5 I am sure that some of  
6 you are parents or grandparents, uncles  
7 or aunts. Climate change is happening  
8 on our watch. Visualize your children  
9 as you make these critical and very big  
10 decisions. We have seen time and again  
11 unexpected and unimaginable scenarios  
12 that do occur and we can only control  
13 what we can control. You control what  
14 happens next.

15 Anything short of a  
16 complete ban on drilling and fracking  
17 related activity including water  
18 related withdrawal and storage  
19 wastewater would be a dereliction of  
20 your stated vision and your leadership.  
21 Thank you.

22 HEARING OFFICER:

23 Thank you. Bill  
24 Shaughnessy next, please, then Ling  
25 Tsou and then Dyanne Jurin. Okay.