

# Water Withdrawals in the Delaware River Basin: 2020 Update

## Water Management Advisory Committee (WMAC)

June 16, 2022

Michael Thompson, P.E.

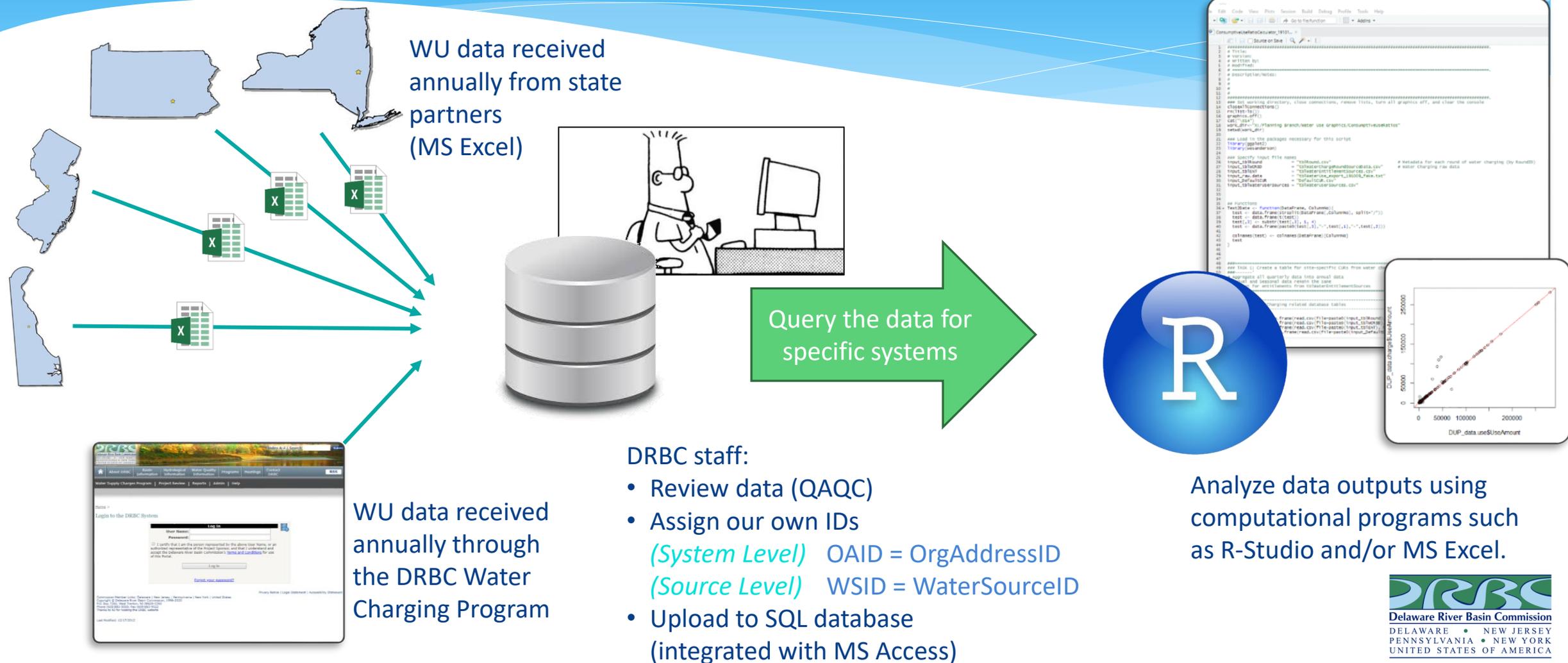
*DRBC Water Resource Planning Section*

*Water Resource Engineer*

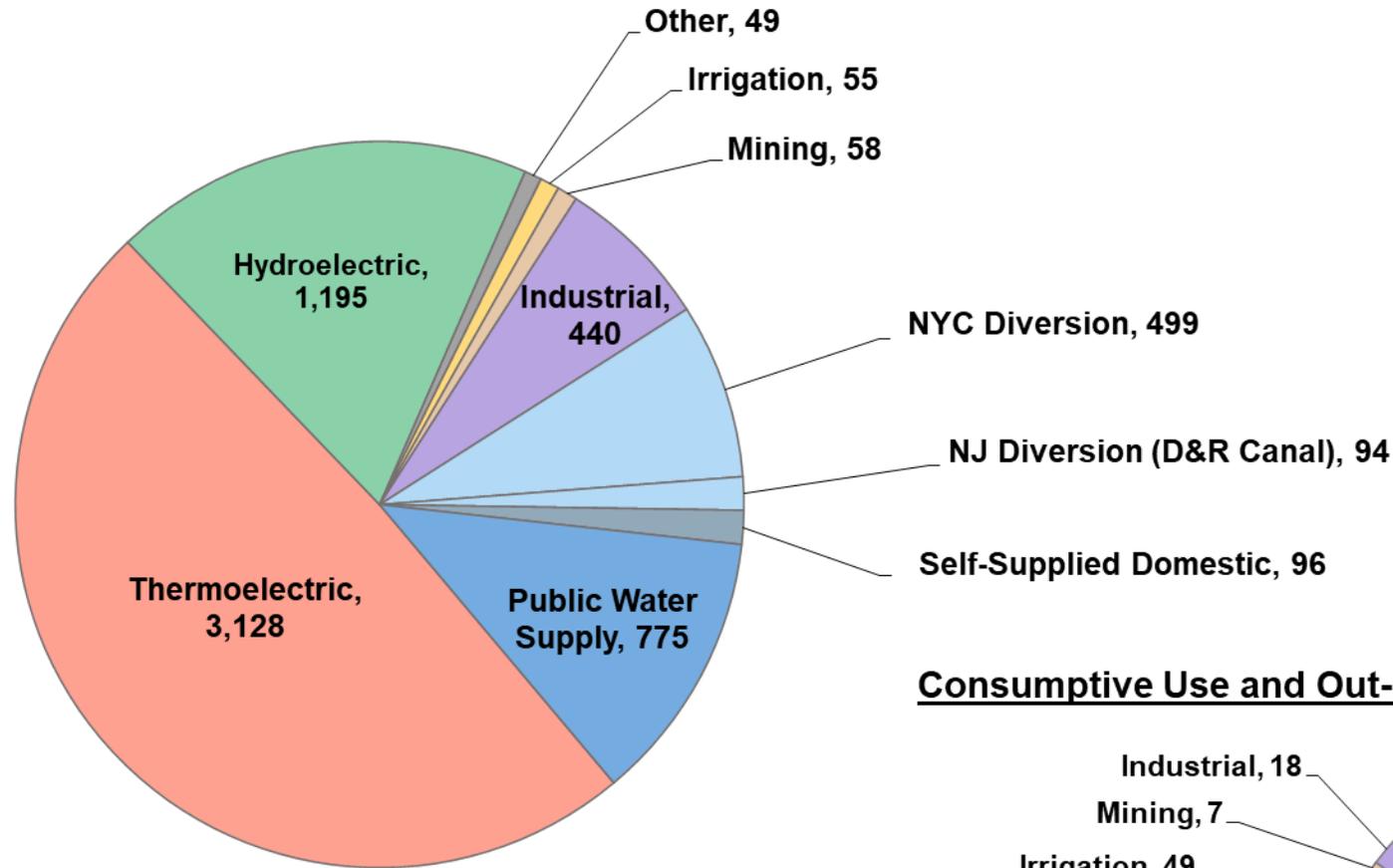
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# Where does all of this data come from?

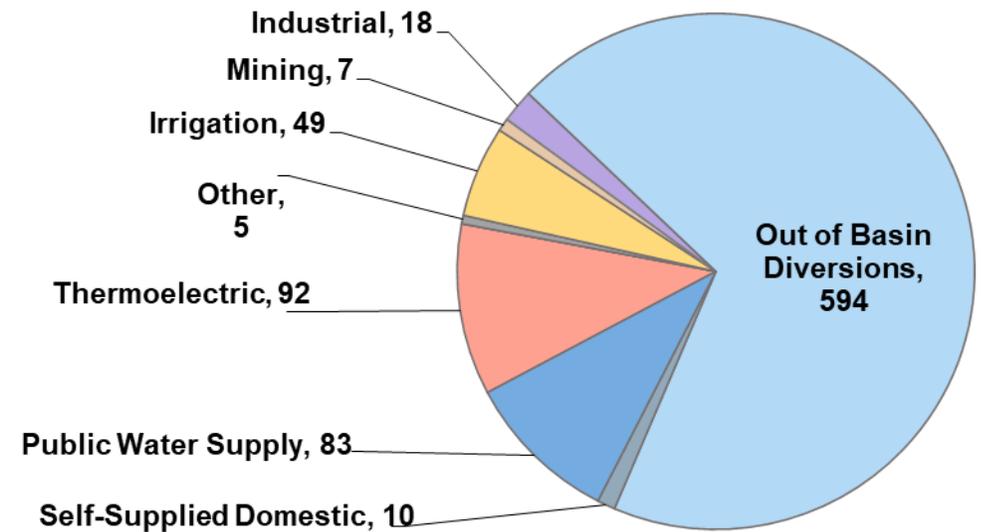


**Total Water Withdrawals**  
 (ground and surface) from the  
 Delaware River Basin, **2020:**  
**6,390 MGD**

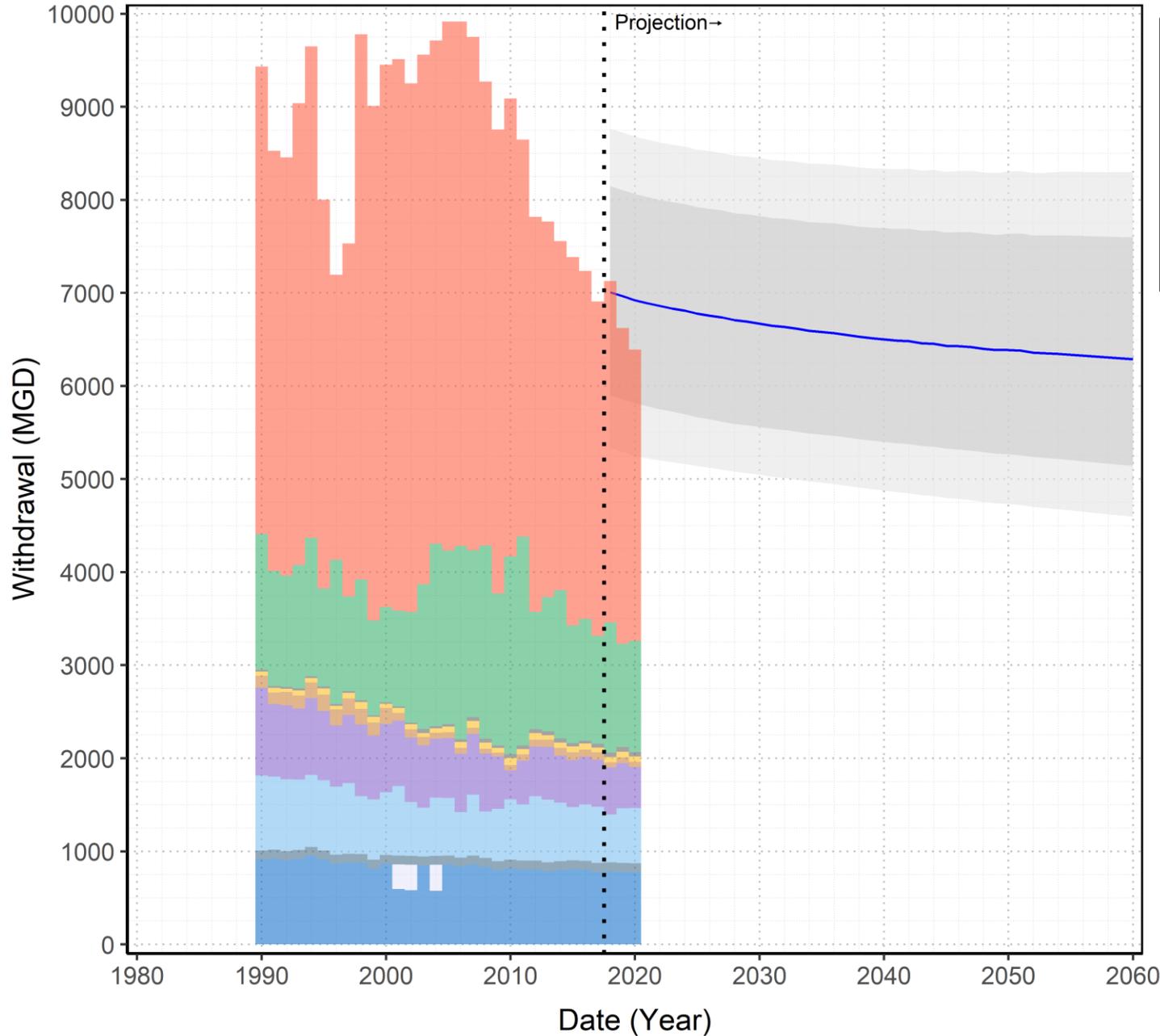


- Thermoelectric
- Hydroelectric
- Other
- Irrigation
- Mining
- Industrial
- NYC Diversion
- NJ Diversion (D&R Canal)
- Self-Supplied Domestic
- Public Water Supply

**Consumptive Use and Out-of-Basin Diversions: 857 MGD**



# Historical and projected water withdrawals from the Delaware River Basin



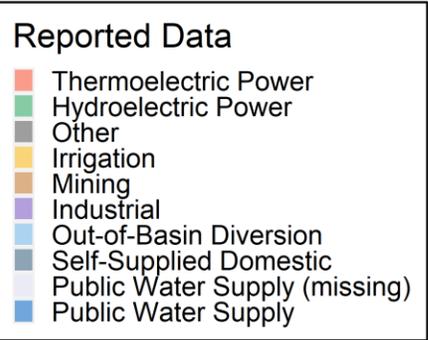
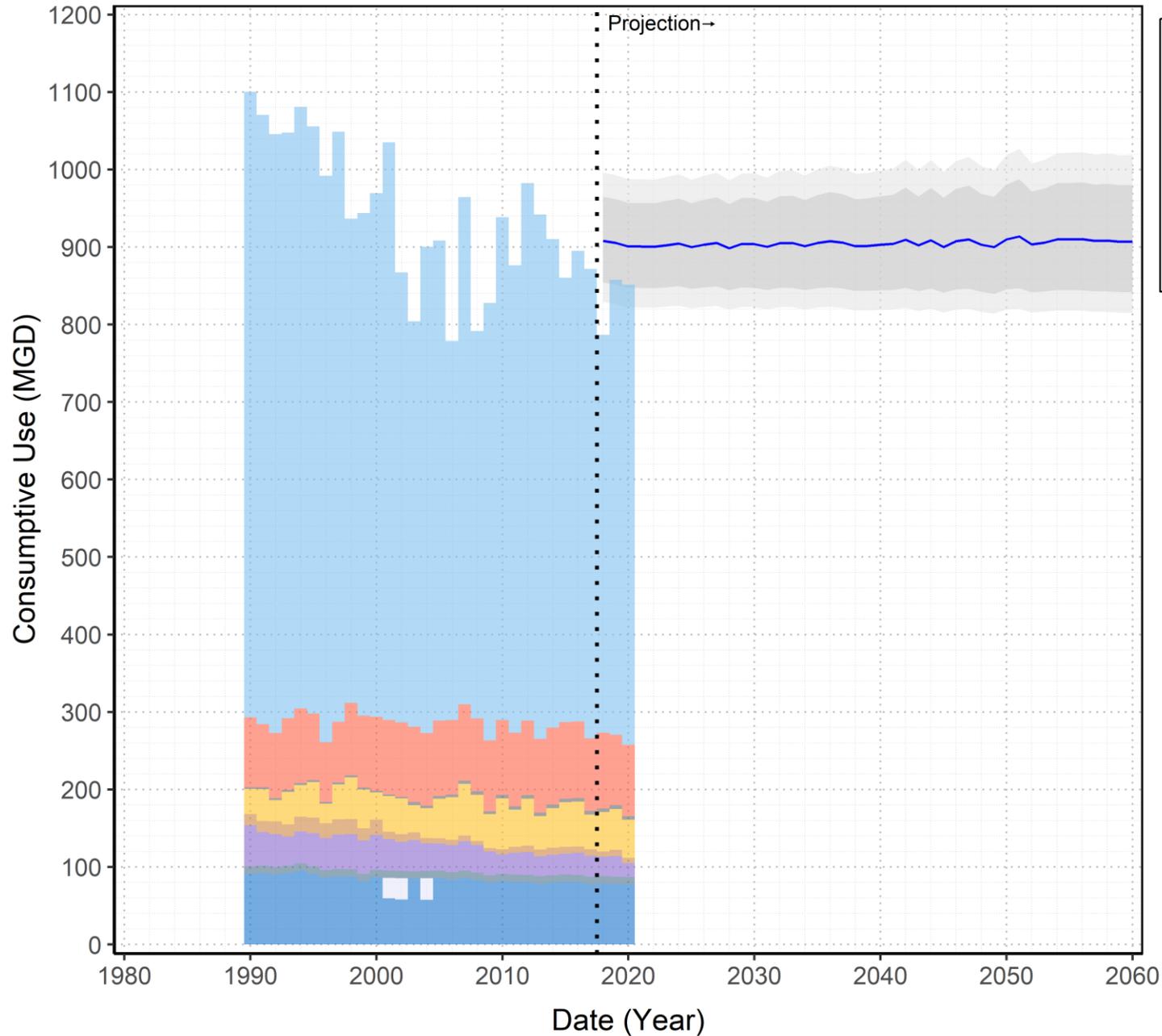
**Reported Data**

- Thermoelectric Power
- Hydroelectric Power
- Other
- Irrigation
- Mining
- Industrial
- Out-of-Basin Diversion
- Self-Supplied Domestic
- Public Water Supply (missing)
- Public Water Supply

## Regarding CY2020 data vs. projection:

Sector	Projected	Reported	Delta
Thermoelectric Power	3,535.692	3,128.355	-407.338
Hydroelectric Power	1,197.911	1,194.677	-3.233
Other	25.651	48.753	23.102
Irrigation	70.533	54.582	-15.951
Mining	81.383	57.871	-23.513
Industrial	489.268	440.443	-48.825
Out-of-Basin Diversion	618.804	593.571	-25.233
Self-Supplied Domestic	96.159	96.159	0.000
Public Water Supply	806.509	775.257	-31.252

# Historical and projected consumptive water use in the Delaware River Basin



## Regarding CY2020 data vs. projection:

Sector	Projected	Reported	Delta
Thermolectric Power	94.539	92.016	-2.523
Hydroelectric Power	0.000	0.000	0.000
Other	4.034	4.557	0.523
Irrigation	63.480	49.118	-14.362
Mining	8.721	6.944	-1.776
Industrial	20.905	17.727	-3.179
Out-of-Basin Diversion	618.804	593.571	-25.233
Self-Supplied Domestic	9.616	9.616	0.000
Public Water Supply	80.651	77.526	-3.125