

EPA Green Roof Research

- Bousselot, J., J. Klett, + R. Koski. 2010. *Extensive green roof species evaluations using digital image analysis.* HortScience: 45(8).
- Bousselot, J., J. Klett, + R. Koski. 2012. *Evaluating a natural zeolite as an amendment for extensive green roof substrate.* J. Env. Hort., 30(4).
- Bousselot, J., T. Slabe, J. Klett, + R. Koski. 2017. *Photovoltaic array influences the growth of green roof plants*. J. of Living Arch.
- Slabe, T. and Bousselot, J. 2013. *Implications of the Stefan-Boltzmann law for green roofs.* Proceedings paper for Green Roofs for Healthy Cities conference.



- Cooler beneath PV than the exposed area
- Temperature variation was less too
 - Winter less "in and out" of dormancy
- More plants overwintered near PV
- PV protection = increase in plant cover
- Substrate moisture

 in the protected area



Denver Botanic Gardens Green Roof



High and Dry = Survive

• Schneider, A., Fusco, M., and Bousselot, J., 2014. Observations on the survival of 112 plant taxa on a green roof in a semi-arid climate. *Journal of Living Architecture*, 1(5), 10-30.



