## Energy Conservation Initiative (ECI) Project Summary Growth Chamber Phase 3, Facility 1022

What We Did: In collabo- What We Saved: ration with the Cornell \$37,000 and 237 tons/ per year carbon equiva-University Agricultural **Experiment Station we** lent annually. replaced 10 outdated in-**Benefits:** Energy use was efficient growth chamdecreased by over 90%. bers with 6 new efficient Maintenance costs will chambers. The antiquatbe significantly reduced. ed chambers used out-Lighting level was indated controls, inefficient creased by 50% improvlighting and mechanical ing research. refrigeration. The new chambers utilize efficient We jumped at the chance T-5 lighting, digital conto recycle 10 of our least efficient growth trols and cooling providchambers in exchange ed by Cornell's district for 6 new highlyefficient units that will cooling system. enhance plant research What It Cost: \$300,000 at Cornell for decades. How Long It Took: 6 Nick VanEck, months. Completed De-**Growth Chamber Supervisor** cember 2012.

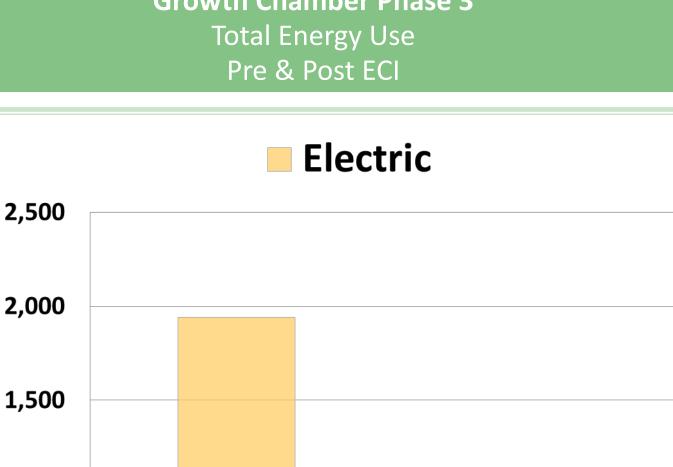
## **Growth Chamber Phase 3**

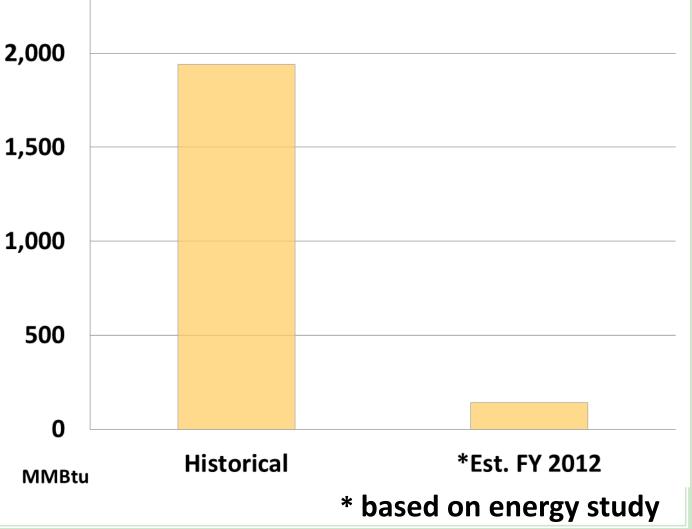


## Map

**Utilities Costs and Use** 

**Growth Chamber Phase 3** 





## **Growth Chamber Phase 3 ECI** Savings Table

		Historical Energy	2012 Energy Use	Energy Savings (MMBtu)	% REDUCTION	Historical Cost (billed rates)	*Est. FY 2012 Cost (billed)	Annual Savings \$	Equivalent # Homes
	Utility	Use (MMBtu)							

