

FLY TVC

Expansion Planning Process

A vision of success includes engaging stakeholders and neighbors to create a model campus development

A report from the SEEDS Clean Energy Salon series

October 2019

Participating Organizations

TVC Cherry Capital Airport
Elmers | Windemuller Electric
Prein & Newhof | Mead & Hunt
Cherryland Electric | TCL&P
Garfield Twp. | Consumer's Energy
GT Construction | GT County

What if minimum standards were redefined?

- Encourage multimodal transportation options
- Prioritize energy conservation efficiency
- Operate in cooperation with, and for the benefit of, people and neighbors.

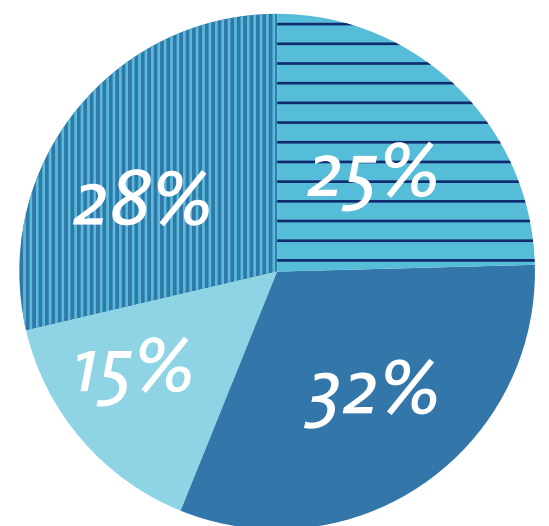


Participants brainstormed bold, feasible ideas:

- 1 **Plan Like a Municipality.** Consider community needs like transportation and housing, and create campus and corridor solutions welcomed by neighbors.
Next step: propose to adjust governance structure
- 2 **Use 3D Modeling.** For renovations and new construction, maximize energy and construction efficiencies.
Next step: need to scan existing buildings
- 3 **Prefabricate.** About 30% of new building components could be fabricated off-site to maximize construction efficiencies.
Next Step: connect engineering and logistics
- 4 **Take Transit to the Airport.** Provide priority security access and/or boarding for transit passengers.
Next Step: BATA express line and Park&Rides with voucher process
- 5 **Use Zones.** Construct expansions using "zones" so that sections can close during unneeded seasons.
Next Step: include in design engineering requirements



Suggested methods for Incremental Improvement



- Conservation
- Efficiency
- Renewables
- Other Human Benefit

Ideas clustered around each of the following concepts:
Business Models
Transportation Solutions
Conservation, Efficiency and/or renewable energy solutions

Micro-grid
Smart Meters
New Jet BridgeTech

Demand Response

Geothermal
Efficiency

Clean Energy

Land-side
Businesses

Multi-modal

3rd Party Validation

Transit Station



seeds
Ecology + Education + Design