



SUSTAINABLE DEVELOPMENT POINTS FOR: Pompano Beach Airpark Parcel Y Development

DRC Meeting Date August 3, 2022

August 8, 2022

Major Site Plan- P & Z: 22-12000020

Owner: City of Pompano Beach

Project Location: 1550 NE 5th Ave

Agent: Wayne Asbury

Project Planner: Lauren Gratzer

Aircraft Storage Hangars are inherently a sustainable type project. There are several key reasons.

1. Aircraft hangars are constructed of steel which is 100% recyclable material.
2. Storage hangars are not air conditioned and require only small offices which are air conditioned and use very little energy to run.
3. The use of LED lights has made the total energy usage quite low compared to other project types.
4. The buildings and roof are very light colored or white and are reflective of radiant heat. The steel also does not store the heat that masonry or conc buildings do.
5. The large hangar doors offer vast breezeways to keep the space passively cool while occupied.

Points:

This project will meet the minimum 12 required sustainability point system as follows:

| | |
|--------------------------------------------------------------------------------|-----------|
| Efficient cooling- All air conditioners will be Energy Star Qualified- | 2 points |
| Efficient water heating- At least 75% of hot water via tankless water heaters- | 2 points |
| Hurricane Resistant structures. All structures are designed to 170 mph- | 4 points |
| Overhangs present on all south facing windows- | 2 points |
| White Roof- All roof surfaces are highly reflective | 2 points |
| ----- | |
| Total | 12 points |

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