

Data Centers Report – PDE

Project Outline

- I) Executive Summary
- II) Introduction to Data Centers
 - A) Types of Data centers
 - 1) Identify and define types of data centers based on operational purpose.
 - B) Data Center Structure and Operational Needs
 - 1) General overview
 - 2) Power sourcing: off-site and on-site
 - 3) Cooling methods
- III) Land Use Considerations – to include external stakeholder input
 - A) Environmental considerations and compatibility with other uses
 - 1) Health
 - 2) Noise, Light, Heat, Vibrations
 - 3) Water and Air Emissions
 - 4) Electronic Waste
 - 5) Grid and infrastructure cost increases
- IV) Economic Considerations - to include external stakeholder input
 - A) Property Values
 - 1) Consideration of Sec 402.1.E.8 Euclidean Rezoning standards.
 - B) Tax generation
 - C) Employment rate
- V) External Stakeholder Feedback
 - A) Energy providers – TECO, WREC, Duke
 - B) Water resources management – Pasco County Utilities, SWFWMD, TBW.
 - C) Economic development – Pasco EDC, industrial business park stakeholders
- VI) Case Studies

Research conducted on geographically diverse areas to determine best practices and those that have not been successful. 3 Counties per geographic area.

 - A) Florida – Miami and Orlando and Tampa
 - B) Arizona

- C) Washington
- D) Maine
- E) Maryland
- F) Indiana
- G) Colorado
- H) Pennsylvania
- I) North Carolina/Georgia
- J) Virginia

VII) Summary Findings

VIII) Appendix

- A) Summary of SB 484
 - 1) Definitions
 - 2) Land use considerations
 - 3) Provisions regarding electricity demands
 - 4) Provisions regarding water demands