

QUESTION 29 – ENERGY

See State Comprehensive Plan (Chapter 187, F.S.)

GOAL (11); POLICY (4)
GOAL (12); POLICIES (1),(5),(6)

- A. Provide a projection of the average daily energy demands at the end of each development phase for each of the following: electrical power, gas, oil, coal, etc. For electrical power, also provide the peak hour demand at the end of each phase.**

Energy for the proposed development is to be provided through electric service. Projected operating demand (peak) and operating demand (average daily) are summarized in Table 29.1 Electrical Capacity Demand Estimates. The project will be constructed in a single phase and will have an average daily demand of 12,960 kilowatts (KWH).

Table 29.1 Electrical Capacity Demand Estimates			
Use	Units	Operating Demand (Peak)	Operation Demand (Average Daily)
<i>Existing</i>			
Vacant	0	0	0
<i>TOTALS</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>Proposed</i>			
Retail Mall	1.1 M GSF	7,920 KW **	6,600 KW *
Office	885,000 GSF	6,372 KW **	5310 KW *
Hotel	300 Room	1,260 KW **	1050 KW *
<u>TOTALS</u>	-----	<i>15,552 KW **</i>	<i>12,960 KW *</i>

* Based on generation rates per Florida Power and Light Company

** Based upon a peaking factor of 1.2

B. If there is to be an on-site electrical generating facility (post-construction) describe its proposed capacity and use.

There is to be no on-site electrical generating facility, other than emergency power. Emergency power will be provided by means of stand by generators.

C. If energy (electrical power, natural gas, etc.) is to be obtained from an off-site source, attach a letter from the firms or agencies providing service outlining:

- 1. the projected excess capacities of the facilities and transmission line to which connection will be made at present and for each phase through completion of the project,**
- 2. any other commitments that have been made for this excess capacity,**
- 3. a statement of the supplier's ability to provide service at all times during and after development.(The supplier must be provided with demand information in (A)above.)**

This specific information has been requested from Florida Power and Light Company on three separate occasions (see attached letters dated May 2, 2005, July 15, 2005 and December 16, 2005) and we have been advised that the only information they can provide at this time was included in their December 7, 2005 response letter (see attached).

D. Describe any energy conservation methods or devices incorporated into the plan of development. What considerations relative to energy conservation will be incorporated into the site planning, landscape, and building design, and equipment and lighting selection for this project?

The following energy conservation elements may, where feasible, be incorporated in site planning, building design and equipment selection:

- All building design and construction will meet applicable requirements of the Florida Building Code, latest edition.
- Integrated landscaping along streets, buildings and parking areas to reduce heat gain from paved surfaces.
- High efficiency parking lot lights with photocells and automatic timers to minimize unnecessary parking lot lighting energy usage.

December 16, 2005

Mr. Richard Bansee
Service Planner
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Hollywood, FL 33024

RE: **THE COMMONS DRI
QUESTION 29 - ENERGY
CT&A PROJECT NO. 02-0023**

CRAVEN THOMPSON



& ASSOCIATES INC.

Engineers
Planners
Surveyors

Dear Mr. Bansee:

Thank you for your recent response on energy availability and demand rates for the subject project.

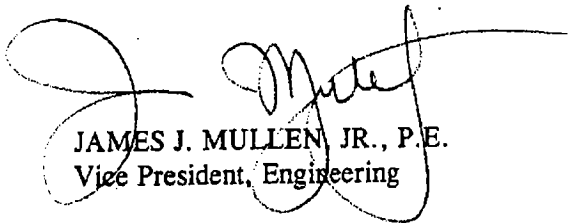
I have enclosed herewith a copy of my initial responses to question 29 and would like to ask you if you would review my answers and give me your comments. Of particular concern are the Operation Demand Rates we have used in Section A. We had these from a previous project. Also, we would like to know if you could help us with section C paragraphs 1 and 2. Your last letter should satisfy paragraph 3.

Once you have reviewed the above, please call me to discuss any questions and/or comments you may have.

Your continued help with these questions would be appreciated.

Very truly yours,

CRAVEN THOMPSON & ASSOCIATES, INC.



JAMES J. MULLEN, JR., P.E.
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JJM/fdp

Enclosures

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