

Expansion of MCC #4 - SALEM

May 23, 2012

Swain T. Still

Solid Waste Disposal History



History

- From the Green Boxes to the Landfill.
- Oconee County operated a MSW landfill until 1988.



Change

- In the late 1989/1990, former Solid Waste Director Jack Hirst decided to institute change in Oconee County.
- In December 1992, the first Manned Convenience Center was opened at the current Strawberry Farm site.
- At the time, Oconee's population was approx. 58,500

- Oconee County has 11 Manned Convenience Centers.
- Designed that 90% of citizens would not have to drive over 5 miles to dispose of their garbage.
- The last center (MCC 11) was built in April 2000, located on Old Unity Road, Long Creek.

Purpose of MCC

- Safe and controlled environment to dispose of waste.
- Regulations were implemented nationally and statewide for local governments to recycle.
- Green-box locations were an eyesore. MCC's provided a cleaner and an aesthetic appearance.
- Manned centers provided public with the ability to become informed about recycling.

First Services Provided

- Household waste disposal
- Furniture Disposal
- Limited Recycling as follows:
 - Paper products –cardboard, newspaper, magazines etc.
 - Glass
 - Plastics (Milk Jugs and Soda Bottles)
 - Scrap Metal

Change to Service

- Added Tires
- Added All Plastics (#1-7)
- Added Used Oil (GOPER)
- Added Batteries (Automotive and Rechargeable)
- Added Antifreeze
- Added Textile Material
- Added Eyeglasses, Hearing Aides, Ink Cartridges, Cell Phones
- Aluminum and Metal cans
- Removed Furniture due to cost effectiveness, space, and increase in other recyclables. (No increase in open dumping occurred.)

Results

- 2010-2011 Total Solid Waste Budget: \$3,616,028
(includes MSW Disposal: \$1,225,252)
- Revenues: \$1,212,381
- Net Costs: \$2,403,647

Center Design

- Most centers were designed for people to park and dispose of waste.
- Average size is 1-2 acres for entire site.
- The resources of the site (buildings, equipment, containers) take up the majority of the space.
- Centers are not designed for adequate high traffic volumes. Congestion occurs at busier centers, summer time (due to vacationers and seasonal lake occupants), and holidays.
- Centers were not designed with growth in mind.
(Current permanent residents: 74,000)

MCC 4- Problems

- Total Fenced Area Less Than 1 Acre
- Highly Congested-5th busiest center in garbage but ranks 2nd or 3rd in recyclables depending on the year.
- Limited space for vehicular traffic.
- Many citizen complaints due to congestion





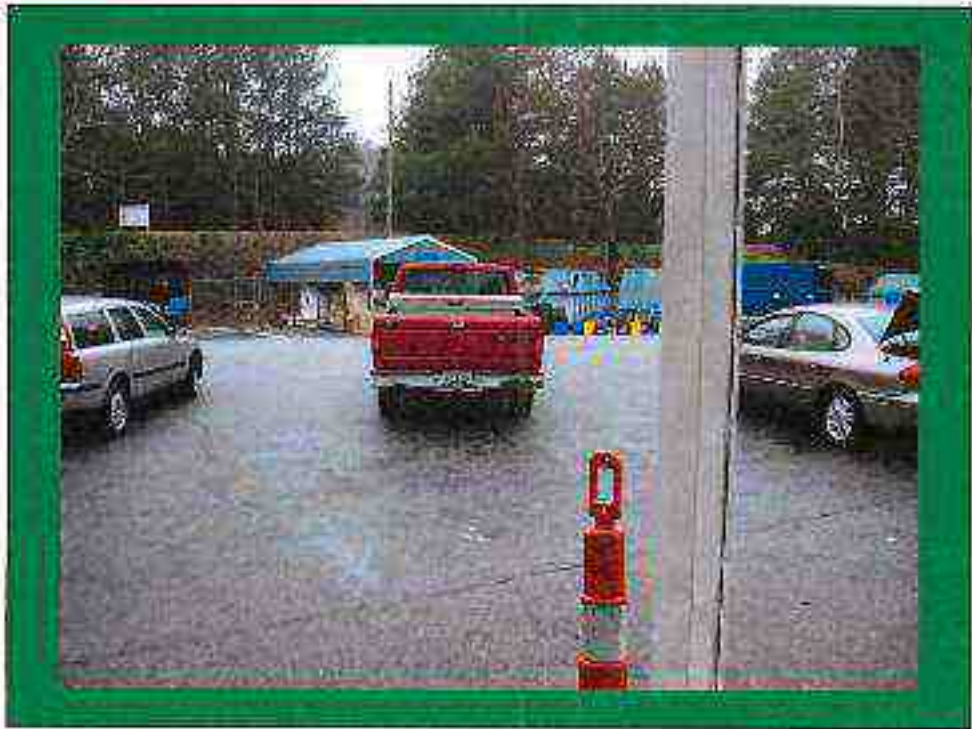






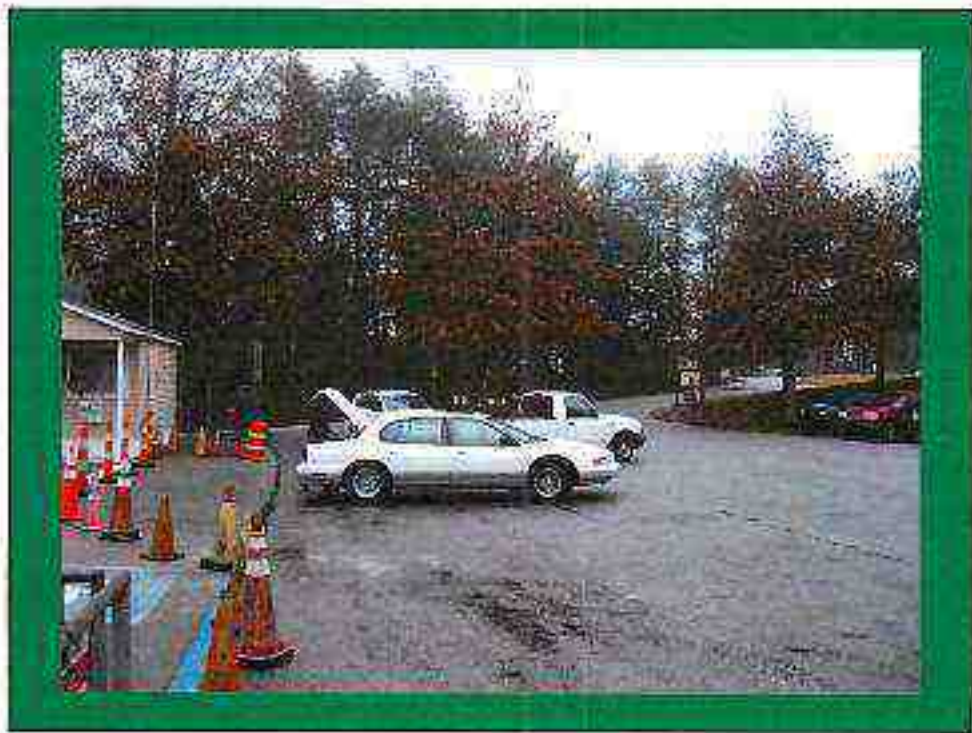










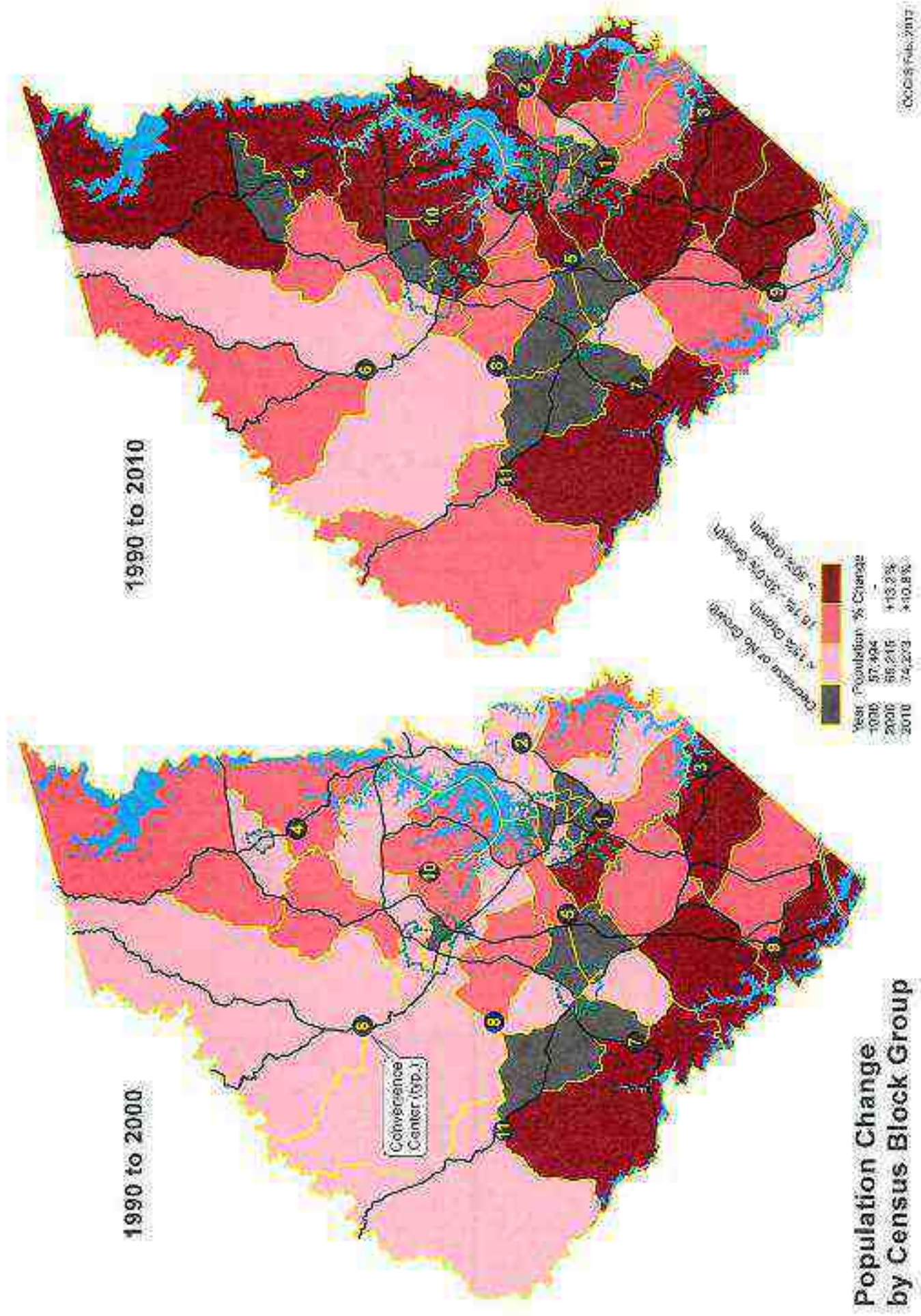




Cost to Expand

- No Land Acquisition Required
- Several Variables
 - Design: New or Just Addition
 - Construction

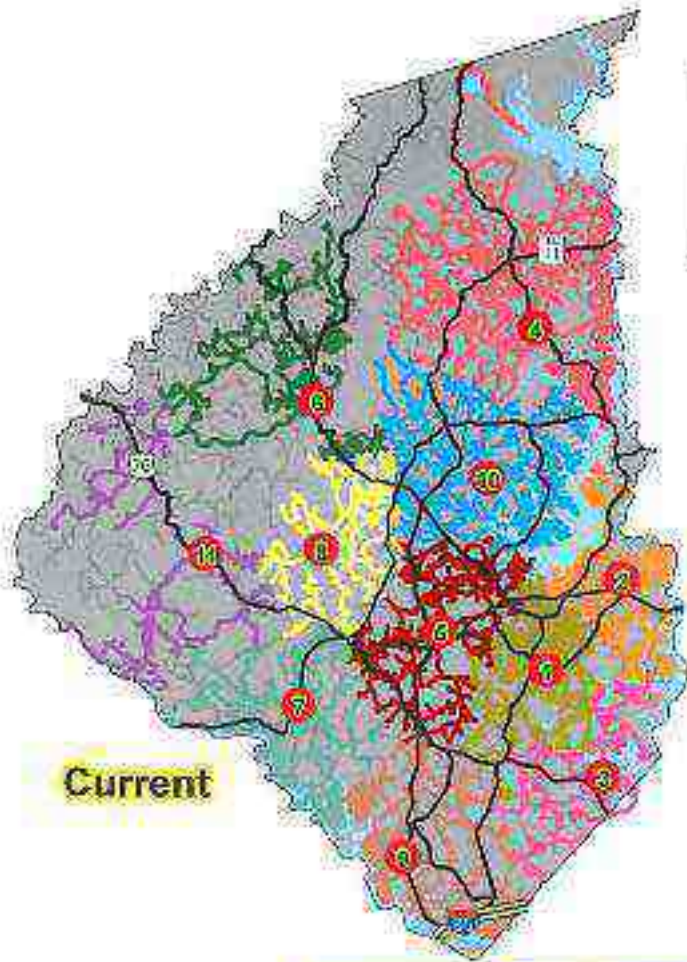
Questions?



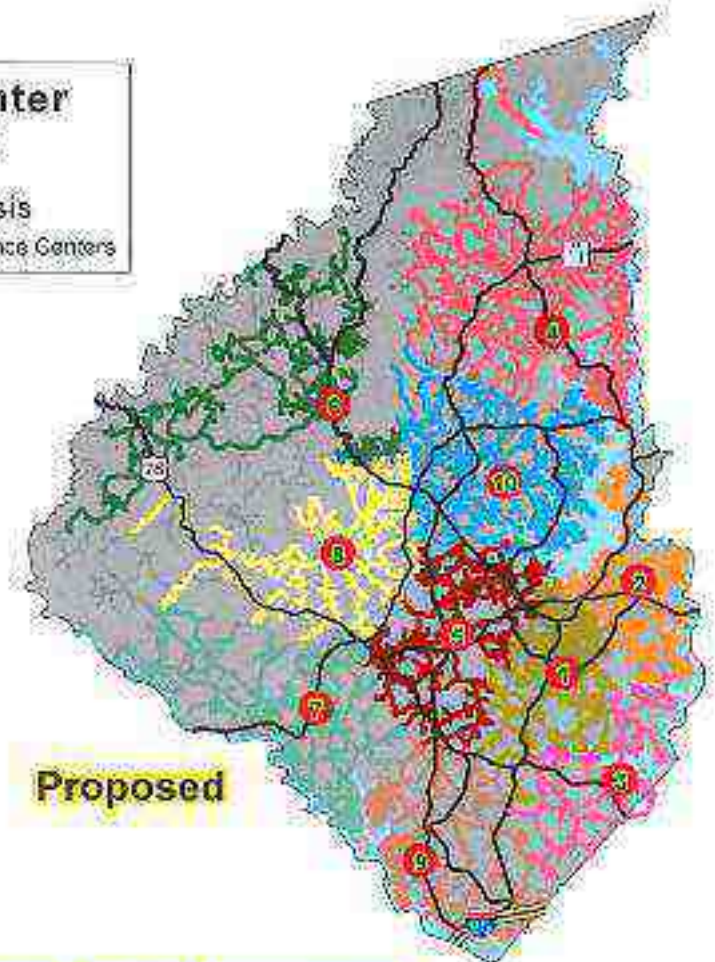
Convenience Center Service Areas

Closest Facility Analysis

Residential Address Points to Convenience Centers



Current



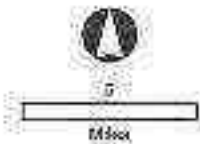
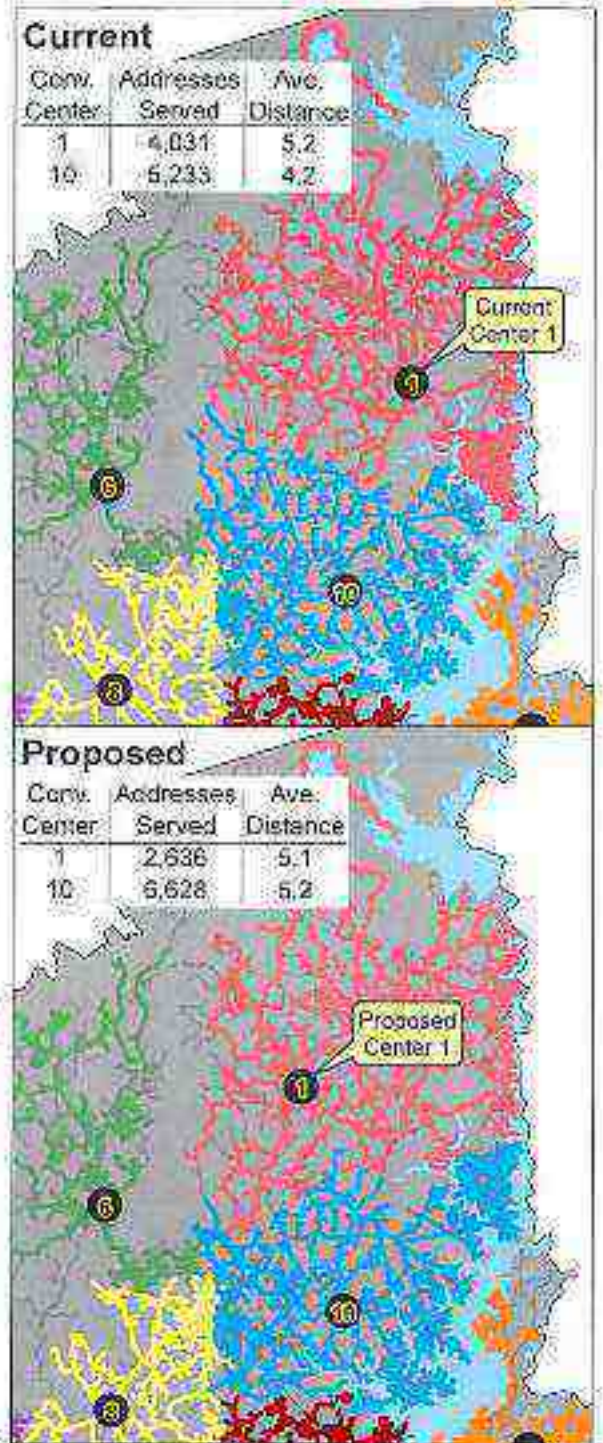
Proposed



CURRENT				Convenience Center	PROPOSED			
% of Total	Population Served	Addresses Served	Ave. Driving Distance		Ave. Driving Distance	Addresses Served	Population Served	% of Total
18%	14,249	5,781	2.8	1. Strawberry Farm	7.8	5,781	14,249	18%
13%	9,450	4,148	2.0	2. Mesquite	2.9	4,148	9,450	13%
4%	3,149	1,512	3.4	3. Pinegrove	3.4	1,512	3,149	4%
10%	7,374	4,031	5.2	4. Salem	5.2	4,031	7,374	10%
12%	8,907	3,673	3.6	5. Richard	3.8	3,673	8,907	12%
3%	2,123	1,197	4.2	6. Mountain West	9.0	1,370	2,832	4%
6%	4,466	2,058	3.7	7. Tooles Hay	4.2	2,274	4,923	7%
10%	7,210	2,575	3.8	8. Five Forks	4.1	2,903	8,052	11%
6%	4,580	2,542	3.0	9. Port Bass	3.8	2,542	4,560	6%
14%	10,707	5,233	4.3	10. Ebenezer	6.2	5,233	10,707	14%
2%	1,248	577	4.8	11. Long Creek	-	-	-	-
	74,273	35,487	3.8 miles	<<Ave. Driving Dist>>	3.8 miles	33,467	74,273	

Convenience Center	Addresses Served	Ave. Driving Distance (miles)
1 Salem	4,031	5.2
2 Strawberry Farm	5,781	2.8
3 Metromart	4,148	2.9
4 Pinegrove	1,512	3.4
5 Richlins	3,873	3.8
6 Min. Rest	1,197	4.2
7 Tobacco Hwy	2,098	3.7
8 Five Forks	2,575	3.8
9 Pot Bass	2,542	3.8
10 Ebenezer	5,233	4.2
11 Long Creek	877	4.9

Average Driving Distance: 3.8



Current Convenience Center Service Areas

Closest Facility Analysis

Residential Address Points to Convenience Centers



110-89-13

Notes and Caps in E of
County Road RE-29

WILLIAMS P. ROAD
E. B. 7-4-84

S 84°28'26" E
570.68'

2.874 Net AC.
0.5886 H/W
3.262 Total AC.

170-65-59'

248.75'
N 20°54'10" W

Notes and Caps in E of
S. C. Road 130
28' 8 1/2

93
dated
7/6/8

S. C. Road S 37-84



Oconee County, South Carolina

Capital Project Advisory Committee

Project Criteria Questionnaire

Solid Waste: Expansion of Manned Convenience

Center [MCC] #4 / Salem

The purpose of this document is to assist the Capital Project Advisory Committee (CPAC) in understanding and scoring proposed capital projects. The questions are based on issues evaluated by CPAC, and attempt to establish an overview of the scope of the project.

Instructions: Answer each of the major questions (*in bold italics*) listed in the 7 criteria categories below. All major questions must be answered with either 'yes', 'no', or 'n/a' if not applicable. For any major question answered 'yes', provide the supporting information requested in a *complete and easy to understand* narrative that addresses each of the related detailed questions. Use as much space as is needed. Copies of any *available* documentation (engineering estimates, quotes, plan summaries, etc.) should be submitted as necessary.

Criteria 1: Public Health, Safety and Mandates

1. *Does the proposed project directly address a health and/or safety need?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What is the need most directly addressed by the proposed project, and how will it address the issue? Traffic congestion during busier times has become a huge problem at the MCC#4 Salem site. Enlarging the center will create a safer environment for employees and customers.
- b. Are there other possible alternatives to proposed project?
- c. Have other solutions been proposed/attempted?
- d. What secondary benefits to health and safety will result from the proposed project?

Traffic congestion during busier times has become a major problem at the MCC#4 Salem site. Enlarging the facility will create a safer environment for employees and customers. No other alternatives are possible. We tried changing which gate was the entrance. However, this caused too much confusion. Would be able to put in more equipment and would allow less pulls which would save in fuel and time.

2. *Does the proposed project address a federal/state mandate?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What agency is mandating the project (note specific section of law/regulation)?
- b. Has the County Attorney reviewed the issue?
- c. Are there other possible alternatives to the proposed project?
- d. Is there a deadline to meet the mandate, and is this a recurring requirement? If so, what is the anticipated length of time the proposed project will remain in compliance?

Criteria 2: Goals Established in Adopted Plans

3. *Does the proposed project help to implement goals established in the Comprehensive Plan?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What goal/objective/strategy(s) will be addressed by the proposed project?
- What timeline was adopted for implementation?
- Who was the agency listed as the responsible party in the plan?

4. A. *Is the proposed project consistent with adopted strategic plans?*

Yes No N/A

If the answer is No or N/A, move on to the next question.

If the answer is Yes, provide the following information in the space indicated below.

Be sure to address each question:

- What strategic plans reference the proposed project (note any timelines, responsible parties, etc.)?
- What agency sponsored the strategic plan?
- How was the plan developed?
- Has the plan been adopted/endorsed by County Council?

- B. *Does the proposed project implement the recommendations of a previous study?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What agency sponsored the study (note the source of any funding)?
- What was the purpose of the study, and when was it performed?
- What factors considered in the study have changed since the work was done?
- Have the results of the study been presented to County Council?

5. *Has the proposed project been consistently included in previous Capital Improvement Plans?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- When was the project first proposed?
- What was the original proposed date of construction/acquisition/implementation?
- Has any other agency also included the proposed project (or significant portion of) on their capital improvement plan?

Criteria 3: Economic Development

6. *Will the proposed project result in the creation of (or retention of) jobs?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. How many jobs will be created?
- b. How many jobs will be retained that would otherwise be lost without the proposed project?
- c. What types of jobs?
- d. What is that anticipated pay range of the jobs?
- e. Are there other known job-related benefits associated with the proposed project?

All jobs would be retained. We will be proposing to close one slow center that is not being used efficiently and will not put any major burdens on anyone as far as travelling to other sites. By closing the other site, the employees would be used to help at the larger facility.

7. *Will the proposed project facilitate development that directly enhances revenues through taxes or fees?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What sources of increased revenues (taxes, fees, etc.) are anticipated to stem from the proposed project?
- b. What is the anticipated annual impact on each revenue source?
- c. Are there other possible enhancements to revenues that may be associated with the proposed project?

8. *Will the proposed project enhance the County's image, thereby attracting potential investors?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. How will the proposed project be viewed by the 'average' citizen?
- b. How 'visible' will the proposed project (or its benefits) be?
- c. What type(s) of, and how much, private investment is the proposed project anticipated to attract?

- d. What level and type of promoting will be necessary to achieve the proposed project's maximum potential in attracting investment?

This answer is really a yes and no answer. It will enhance the image set by Oconee County but it will not attract or promote investments from any commercial or industrial facilities. This would only be advantageous to residents in the Salem, Keowee Key, and Cliff communities. However, the "average" citizen should be in favor of this project if they use the current facility. The Solid Waste department receives many complaints about the current situation.

9. Will the proposed project help prevent the loss of jobs and/or revenue (other than any discussed above in this section) from Oconee County?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What types of jobs/revenue are subject to loss without the proposed project?
- Has a project similar to the one proposed been completed in the county/jurisdiction to which the jobs/revenue will potentially be lost? If so, describe.
- Are there known alternatives to the proposed project that may effectively save the jobs/revenue?

Criteria 4: Capital Fiscal Impact

10. Will proposed project have a positive impact on the General Fund budget?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- How will the proposed project enhance revenues?
- What is the anticipated annual impact to the General Fund budget?
- What is the anticipated cost of delaying construction/acquisition of the proposed project?

11. Will the proposed project facilitate acquisition of grants and/or other outside funding?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What types of grants and/or other outside funding sources are expected to be made available by construction/acquisition of the proposed project?
- Have other jurisdictions successfully leveraged such funds with similar projects? If so, provide a brief overview.

12. Will the project be economically sustainable?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What resources (staffing, maintenance, upgrades, etc.) are anticipated to be required to operate and maintain the proposed project?
- How will the proposed project offset the cost of operation and maintenance?
- Are there additional potential sources of economic benefit available?

The only major resources that will be required will be the initial cost of construction and the addition of another garbage compactor. The yearly savings will be based upon the closing of the Long Creek facility and the savings of any pulling full garbage containers.

13. *Is the proposed project supported by available or previously designated funding?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What funding sources are designated for the proposed project?
- b. If the construction/acquisition of the proposed project is to be phased or otherwise completed over a period of 2 or more fiscal years, are the designated funds available for each fiscal year?

14. *Will construction/acquisition of the proposed project now result in significant savings or economies of scale?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What are the anticipated costs to delaying the project?
- b. Are there factors other than inflation that may result in additional costs?

Due to the current economy, construction projects have been very competitive.

Criteria 5: Operation and Maintenance Fiscal Impact

15. Will the proposed project have a positive impact on operation and maintenance budgets?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What is the anticipated annual cost to operate and maintain the proposed project?
- b. What existing asset is to be replaced or modified by the proposed capital project?
Include annual cost to operate and maintain, and note expected savings.

The annual costs should not increase. The existing site at MCC4 will be enlarged to handle current traffic problems and future growth in the Salem area.

16. Will the proposed project improve the efficiency of existing operations?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What existing services will be impacted by the proposed project?
- b. In what way will the proposed project improve existing services?
- c. Are there options to the proposed project to gain similar improvements in efficiency?

The service to the public would be greatly enhanced. More space would allow for easier entrance and exit and provide a safer environment for all involved. We would be able to install additional recycling at the center also.

17. Is the proposed project considered 'low-maintenance'?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. If the proposed project is the construction/acquisition of a replacement or improvement of an existing asset, how will it compare to current requirements?
- b. What are the key features related to ensuring the proposed project will require little maintenance?
- c. Are there warranties or guarantees associated with the proposed project?

Maintenance should be same as current facility.

18. Will the proposed project require additional resources (staff, funding, etc.) to support its operation?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What additional resources will be required?
- b. Can some resources be 'shared' with other assets?
- c. Are there options available that will limit need for additional resources?

By closing the Long Creek site, the staffing issue would be resolved. If the Long Creek site remains open, 1-2 employees will be required due to size of facility.

19. Are there any existing assets which will be rendered obsolete/surplus or otherwise unneeded by the proposed project?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What assets will be rendered obsolete/surplus or otherwise unneeded by the proposed project?
- b. How functional are the assets in their current condition?
- c. What are the potential uses for the assets?
- d. What is the estimated costs to recondition/upgrade the assets for these identified potential uses? How much to demolish?

Click on this box to insert response - box will expand as needed:

Criteria 6: Impact on Service Levels

20. *Will proposed project bring service up to desired level?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What is the desired level of service?
- b. Was the target service level determined through a formal study? If not, what is determination based on?

The desired level of service will be achieved due to providing an uncongested environment along with adding additional recycling services. The target is based on observations during weekly operations.

21. *Will the proposed project improve levels of service provided by more than one asset or function?*

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What other asset or function will be enhanced by the proposed project?
- b. How will levels of service be enhanced?

Click on this box to insert response -box will expand as needed:

Criteria 7: Relationship to Other Projects/Coordination

22. Does the proposed project coordinate well with other ongoing or planned projects?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What other projects may be impacted by the decision to construct/acquire the proposed project at this time?
- Are there any special concerns that need to be addressed to ensure the development of the proposed project does not negatively impact other projects?

Yes, I believe it would coordinate well with other on-going projects.

23. Can the project be effectively coordinated with other projects in the same area?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What other capital projects are being constructed/acquired in the same area?
- What are the steps necessary to ensure the proposed project does not negatively impact (or are negatively impacted by) other projects?

24. Does the proposed project address needs or otherwise benefit other jurisdictions?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What jurisdiction(s) will benefit from the proposed project?
- What are the potential benefits?
- Is there a potential for partnership with the jurisdiction? Click on gray area to insert response - box will expand as needed:

25. Is the project timely or subject to a window of opportunity?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- What is the timeframe for constructing/acquiring the proposed project?
- What are the potential negative impacts of delaying the project?

- c. Can construction/acquisition of the proposed project be phased or otherwise accomplished over multiple years?

26. Will the project create any disruption or inconvenience to the public?

Yes No N/A

If the answer is No or N/A, move on to the next question; if the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. What are the potential sources of disruption or inconvenience to the public?
- b. What steps can be taken to mitigate the problems?

If all goes as planned, the center should be able to be kept open while expansion is being constructed. There may be times it would have to be closed which could be advertised ahead of time.

27. Is the proposed project the best use of the funding available for its category of project?

Yes No N/A

If the answer is Yes, provide the following information in the space indicated below. Be sure to address each question:

- a. Are there other similar projects proposed (or expected to be proposed in the near future)?
- b. Why is the proposed project the best use of the funds?

This may not be the 2nd busiest, but based on population use, expected growth, and traffic congestion; this would be the best use. Several other centers will need expanding or redesign in the near future.