



Upper East Coast Demands for Agriculture, Industrial, Recreation and Thermoelectric Uses

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UEC Plan Update – WRAC Workshop # 2
SFWMD Martin/St. Lucie Service Center, Stuart FL
February 25, 2010

Water Use Categories

- **Today's Workshop**
 - **Agriculture**
 - **Industrial and Commercial**
 - **Recreation**
 - **Thermoelectric Power Generation**
- **Kick-off Workshop**
 - **Public Water Supply**
 - **Domestic Self-Supply**



Agricultural Crops in UEC Region

- Citrus
- Improved Pasture
- Sugarcane
- Vegetables, Melons and Berries
- Sod Production
- Greenhouse Nursery
- Other Fruits and Nuts
 - mangoes, papaya and other tropical fruits



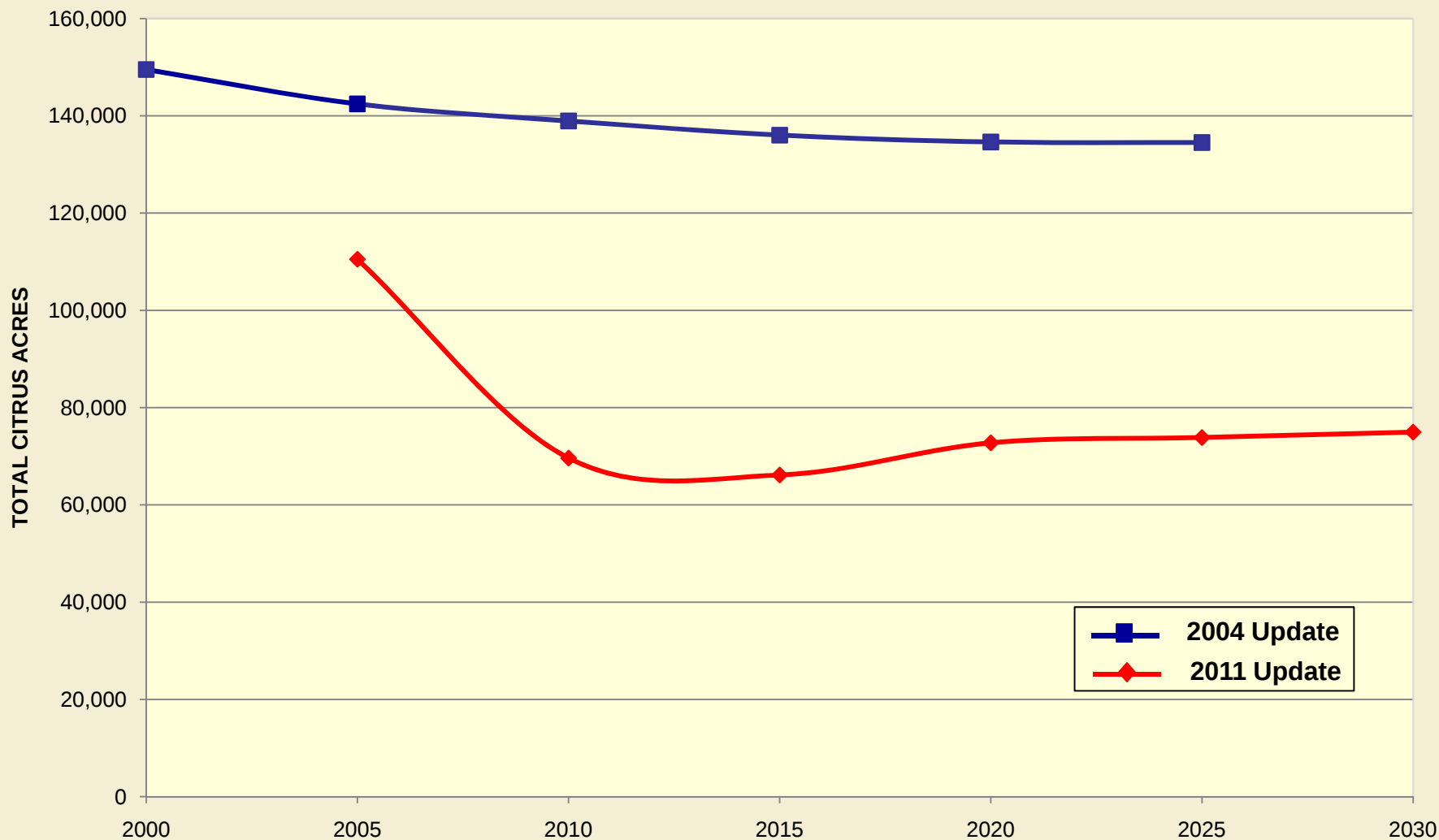
Citrus Irrigated Acreage

Category	2005	2010	2015	2020	2025	2030
St. Lucie	64,427	45,800	43,510	47,861	48,579	49,308
Martin	40,330	19,999	18,999	20,899	21,212	21,531
Okeechobee – Eastern	5,743	3,830	3,639	4,002	4,062	4,123
Total UEC Planning Area	110,500	69,629	66,148	72,762	73,854	74,962



Total Citrus Irrigated Acres

2004 UEC Plan to 2011 UEC Plan



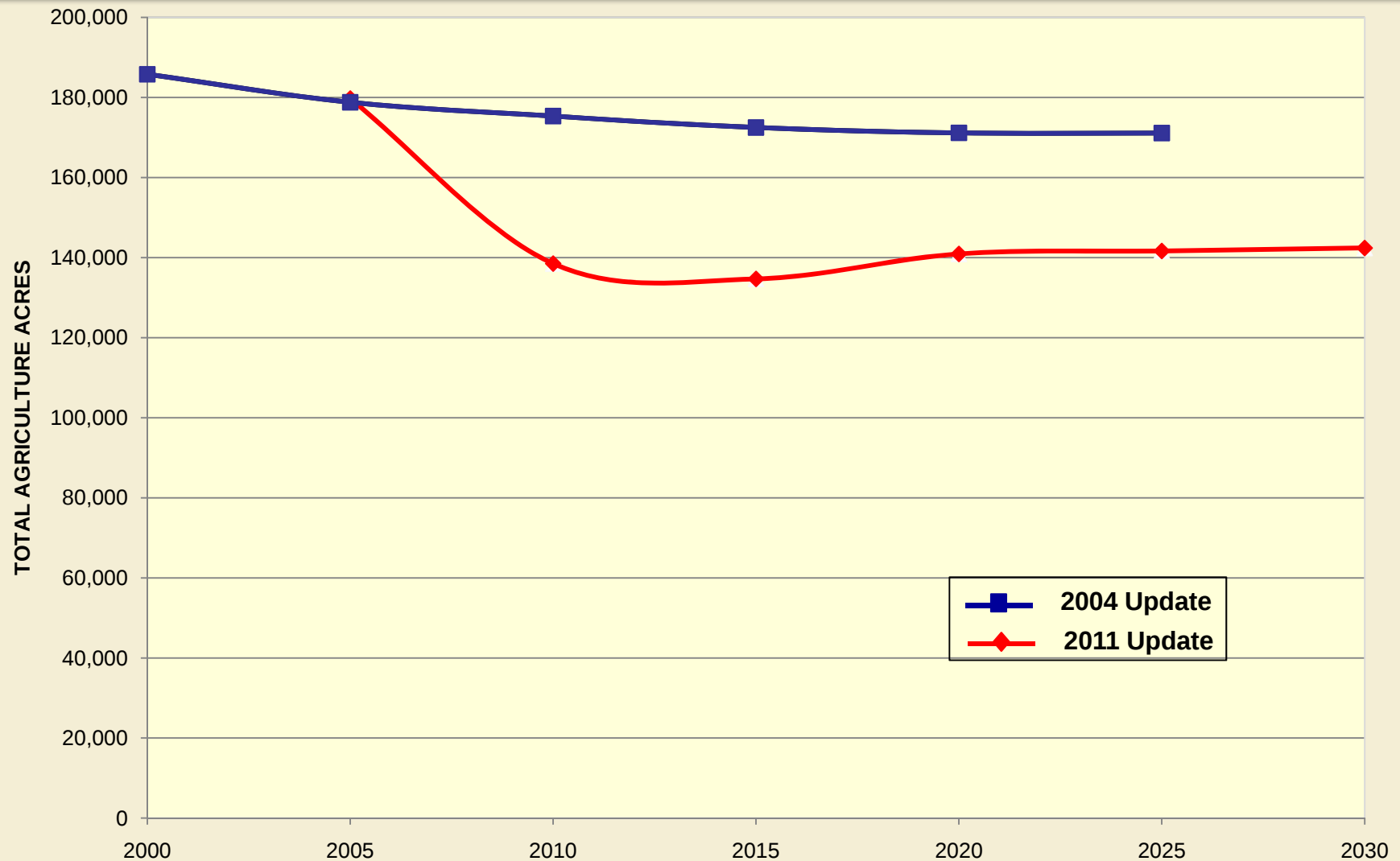
2005 UEC Total Acreage with Crop Categories

Category	St. Lucie	Martin	Eastern Okeechobee	Total UEC	Percent of Total
2005					
Citrus	64,427	40,330	5,743	110,500	61.48%
Improved Pasture	19,583	17,745	5,634	42,962	23.90%
Sugarcane	0	10,379	0	10,379	5.77%
Vegetables, Melons & Berries	3,816	4,436	0	8,252	4.59%
Sod	1,271	1,976	2,238	5,485	3.05%
Greenhouse/ Nursery	799	1,183	63	2,045	1.14%
Other Fruits and Nuts	60	57	0	117	0.06%
Total	89,956	76,106	13,678	179,740	100.00%

2030 UEC Total Acreage with Crop Categories

Category	St. Lucie	Martin	Eastern Okeechobee	Total UEC	Percent of Total
2030					
Citrus	49,308	21,531	4,123	74,962	52.64%
Improved Pasture	20,562	18,632	5,916	45,110	31.68%
Sugarcane	0	10,379	0	10,379	7.29%
Vegetables, Melons & Berries	2,862	3,327	0	6,189	4.35%
Sod	953	1,482	1,679	4,114	2.89%
Greenhouse/ Nursery	599	887	47	1,534	1.08%
Other Fruits and Nuts	55	52	0	107	0.08%
Total	74,339	56,290	11,765	142,394	100.00%

2004 UEC Plan Ag Acres Compared to 2011 UEC Plan Ag Acres



Total Irrigated Ag Acreage in the UEC Planning Area

Category	2005	2010	2015	2020	2025	2030
St. Lucie	70,373	51,451	48,865	52,921	53,344	53,777
Martin	58,361	37,649	36,269	37,788	37,720	37,658
Okeechobee - Eastern	8,044	6,016	5,709	5,958	5,903	5,849
Total	136,778	95,116	90,844	96,667	96,967	97,284

Note: Acreage of Pasture is not included in these totals.



Agriculture Withdrawal Demands (MGD)

County/Demand	2005	2010	2015	2020	2025	2030
Gross or Raw Irrigation Demands for Average Conditions (MGD)						
St. Lucie	79.0	59.0	56.0	60.0	60.0	60.0
Martin	66.0	46.0	44.0	46.0	46.0	45.0
Eastern Okeechobee	18.0	15.0	14.0	14.0	14.0	14.0
Total	163.0	119.0	114.0	120.0	120.0	120.0



Thermoelectric Power Generation Demands (MGD)

County	2005	2010	2015	2020	2025	2030
Gross or Raw Demands for Average Conditions (MGD)						
FPL Martin (existing)	17.4	17.4	17.4	17.4	17.4	17.4
FPL Proposed	0.0	0.0	0.0	12.1	12.1	27.1
TCEC (existing since 2008)	0.0	2.8	2.8	2.8	2.8	2.8
Total UEC Planning Area	17.4	20.2	20.2	32.3	32.3	47.3



Recreation/Landscape Demands (MGD)

County	2005	2010	2015	2020	2025	2030
Gross or Raw Irrigation Demands for Average Conditions (MGD)						
St. Lucie	9.0	18.0	27.0	37.0	50.0	63.0
Martin	10.0	16.0	16.0	17.0	17.0	18.0
Okeechobee – Eastern	0.0	0.0	0.0	0.0	0.0	0.0
Total UEC Planning Area	19.0	34.0	43.0	54.0	67.0	81.0



Commercial and Industrial Demands (MGD)

County	2005	2010	2015	2020	2025	2030
Gross or Raw Demands for Average Conditions (MGD)						
Martin	4.1	4.1	4.2	4.4	4.5	4.8
Okeechobee	2.3	2.3	2.4	2.5	2.6	2.7
St. Lucie	2.6	2.6	2.8	3.3	3.9	4.6
Total UEC Planning Area	9.1	9.1	9.4	10.1	11.0	12.0



Comparison Table 2004 Plan & 2011 Plan

Category	2004/2006* UECWSP Update for 2025 (MGD)	2011 UECWSP Update for 2030 (MGD)
Gross Demands for Average Conditions (MGD)		
Agricultural Self Supply	197.0	120.0
Thermoelectric Power Generation Self-Supply*	47.6	47.3
Recreation Self-Supply	23.8	81.0
Commercial & Industrial Self-Supply	4.9	12.0



Questions?

