

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Proposed amendment of Rule 25-17.0021 F.A.C., Goals for Electric Utilities.

DOCKET NO. 20200181

Filed: April 25, 2023

SOUTHERN ALLIANCE FOR CLEAN ENERGY'S
PROPOSED REVISIONS TO RULE 25-17.0021

Southern Alliance for Clean Energy (“SACE”), pursuant to the Florida Public Service Commission’s (“Commission”) Notice of Rule Hearing, filed on April 13, 2023, hereby files its proposed revisions to Rule 25-17.0021, F.A.C. There are six discreet and different revisions presented in Attachments A through F. For ease of reference, the purpose of each Attachment is provided below.

Attachment A	Inclusion of the Utility Cost Test as an additional cost-effectiveness test.
Attachment B	End the reliance on a time-based freeridership screen.
Attachment C	Exempt low income programs and measures from standard cost-effectiveness tests and freeridership screening.
Attachment D	Setting a goal for low income customers
Attachment E	Totality of revisions in Attachments A through D with additional minor revisions.
Attachment F	Totality of revisions in Attachment E plus the replacement of the Rate Impact Measure Test with the Utility Cost Test.

The discreet and different rule revision in the following Attachments provide the Commission a wide range of options for consideration in modernizing Rule 25-17.0021, F.A.C.

Respectfully submitted on April 25, 2023,

/s/ George Cavros

George Cavros
Southern Alliance for Clean Energy
120 E. Oakland Park Blvd., Suite 105
Fort Lauderdale, FL 33334
(954) 295-5714

*Counsel for Petitioner
Southern Alliance for Clean Energy*

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy and correct copy of SACE's Request for Hearing was served on this 25th day of April, 2023 via electronic mail on:

Jon Rubottom
Florida Public Service Commission
Office of the General Counsel
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850
jrubotto@psc.state.fl.us

/s/ George Cavros
Attorney

ATTACHMENT A

Rule 25-17.0021, F.A.C. Proposed Revisions in Docket No. 20200181-EU by
Southern Alliance for Clean Energy

1 **25-17.0021 Goals for Electric Utilities.**

2 (1) The Commission will ~~shall~~ initiate a proceeding at least once every five years to
3 establish numerical goals for each affected electric utility, as defined by Section 366.82(1)(a),
4 F.S., to reduce the growth rates of weather sensitive peak demand, to reduce and control the
5 growth rates of electric consumption, and to increase the conservation of expensive resources,
6 such as petroleum fuels. The Commission will set annual Overall Residential kilowatt (KW)
7 and kilowatt-hour (KWH) goals and annual overall Commercial/Industrial KW and KWH
8 goals shall be set by the Commission for each year over a ten-year period. The goals, will shall
9 be based on:

10 (a) An assessment of the technical potential of available measures; and

11 (b) aAn estimate of the total cost-effective KW kilowatt and KWH kilowatt-hour
12 savings reasonably achievable through demand-side management programs in each utility's
13 service area over a ten-year period.

14 (2) Pursuant to the schedule in an order establishing procedure in the proceeding to
15 establish demand-side management goals, each utility must file a technical potential study.
16 The Commission shall set goals for each utility at least once every five years. The technical
17 potential study must be used to develop the proposed demand-side management goals, and it
18 must assess the full technical potential of all available demand-side conservation and
19 efficiency measures, including demand-side renewable energy systems, associated with each
20 of the following market segments and major end-use categories.

21 Residential Market Segment:

22 (Existing Homes and New Construction should be separately evaluated) Major End-Use

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 Category

2 (a) Building Envelope Efficiencies.

3 (b) Cooling and Heating Efficiencies.

4 (c) Water Heating Systems.

5 (d) Lighting Efficiencies.

6 (e) Appliance Efficiencies.

7 (f) Peak Load Shaving.

8 (g) Solar Energy and Renewable Energy Sources.

9 Commercial/Industrial Market Segment:

10 (Existing Facilities and New Construction should be separately evaluated) Major End-Use

11 Category

12 (h) Building Envelope Efficiencies.

13 (i) Cooling and Heating Efficiencies.

14 (j) Lighting Efficiencies.

15 (k) Appliance Efficiencies.

16 (l) Power Equipment/Motor Efficiency.

17 (m) Peak Load Shaving.

18 (n) Water Heating Systems.

19 (o) Refrigeration/Freezing Equipment.

20 (p) Solar Energy and Renewable Energy Sources.

21 (q) High Thermal Efficient Self Service Cogeneration.

22 Each utility's filing must describe how the technical potential study was used to develop the

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 goals filed pursuant to subsection (3) below, including identification of measures that were
2 analyzed but excluded from consideration. ~~The Commission on its own motion or petition by a~~
3 ~~substantially affected person or a utility may initiate a proceeding to review and, if~~
4 ~~appropriate, modify the goals. All modifications of the approved goals, plans and programs~~
5 ~~shall only be on a prospective basis.~~

6 (3) Pursuant to the schedule in an order establishing procedure in the proceeding to
7 establish demand-side management goals, each utility must file its proposed demand-side
8 management goals. In a proceeding to establish or modify goals, each utility shall propose
9 numerical goals for the ten year period and provide ten year projections, based upon the
10 utility's most recent planning process, of the total, cost-effective, winter and summer peak
11 demand (KW) and annual energy (KWH) savings reasonably achievable in the residential and
12 commercial/industrial classes through demand-side management. Each utility must also file
13 demand-side management goals developed under ~~two~~ **three** scenarios: one scenario that
14 includes potential demand-side management programs that pass the Participant and Rate
15 Impact Measure Tests, ~~and~~ one scenario that includes potential demand-side management
16 programs that pass the Participant and Total Resource Cost Tests, ~~and one scenario that~~
17 **includes potential demand-side management programs that pass the Participant and the Utility**
18 **Cost Tests, as these terms are used in Rule 25-17.008, F.A.C., with the Utility Cost Test**
19 **determined using the Rate Impact Measure test, but not including lost revenues from reduced**
20 **sales as a cost.** Each utility's goal projections must be based on the utility's most recent
21 planning process and must ~~shall~~ reflect the annual KW and KWH savings, over a ten-year
22 period, from potential demand-side management programs with consideration of overlapping

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 measures, rebound effects, free riders, interactions with building codes and appliance
2 efficiency standards, and the utility's latest monitoring and evaluation of conservation
3 programs and measures. In addition, for each potential demand-side management program
4 identified in the proposed goals and in each scenario described above, each utility must
5 provide overall estimated annual program costs over a ten-year period. Each utility's
6 projections shall be based upon an assessment of, at a minimum, the following market
7 segments and major end-use categories.

8 ~~Residential Market Segment:~~

9 ~~(Existing Homes and New Construction should be separately evaluated) Major End-Use~~
10 ~~Category~~

11 ~~(a) Building Envelope Efficiencies.~~

12 ~~(b) Cooling and Heating Efficiencies.~~

13 ~~(c) Water Heating Systems.~~

14 ~~(d) Appliance Efficiencies.~~

15 ~~(e) Peakload Shaving.~~

16 ~~(f) Solar Energy and Renewable Energy Sources.~~

17 ~~(g) Renewable/Natural gas substitutes for electricity.~~

18 ~~(h) Other.~~

19 ~~Commercial/Industrial Market Segment:~~

20 ~~(Existing Facilities and New Construction should be separately evaluated) Major End-Use~~

21 ~~Category~~

22 ~~(i) Building Envelope Efficiencies.~~

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

- 1 ~~(j) HVAC Systems.~~
- 2 ~~(k) Lighting Efficiencies.~~
- 3 ~~(l) Appliance Efficiencies.~~
- 4 ~~(m) Power Equipment/Motor Efficiency.~~
- 5 ~~(n) Peak Load Shaving.~~
- 6 ~~(o) Water Heating.~~
- 7 ~~(p) Refrigeration Equipment.~~
- 8 ~~(q) Freezing Equipment.~~
- 9 ~~(r) Solar Energy and Renewable Energy Sources.~~
- 10 ~~(s) Renewable/Natural Gas substitutes for electricity.~~
- 11 ~~(t) High Thermal Efficient Self Service Cogeneration.~~
- 12 ~~(u) Other.~~

13 (4) Within 90 days of a final order establishing or modifying goals, each utility must
14 file its demand-side management plan that includes the programs to meet the approved goals,
15 along with program administrative standards that include a statement of the policies and
16 procedures detailing the operation and administration of each program. ~~or such longer period~~
17 ~~as approved by the Commission, each utility shall submit for Commission approval a demand~~
18 ~~side management plan designed to meet the utility's approved goals.~~ The following
19 information ~~shall~~ must be filed ~~submitted~~ for each demand-side management program
20 included in the utility's demand-side management plan for a ten-year projected horizon
21 period:

- 22 (a) The program name;

23

1 (b) The program start date;

2 ~~(c) A statement of the policies and procedures detailing the operation and~~
3 ~~administration of the program;~~

4 (c) ~~(d)~~ The total number of customers, or other appropriate unit of measure, in each
5 class of customer (i.e. residential, commercial, industrial, etc.) for each calendar year in the
6 planning horizon;

7 (d) ~~(e)~~ The total number of eligible customers, or other appropriate unit of measure, in
8 each class of customers (i.e., residential, commercial, industrial, etc.) for each calendar year in
9 the planning horizon;

10 (e) ~~(f)~~ An estimate of the annual number of customers, or other appropriate unit of
11 measure, in each class of customers projected to participate in the program for each calendar
12 year of the planning horizon, including a description of how the estimate was derived;

13 (f) ~~(g)~~ The cumulative penetration levels of the program by calendar year calculated as
14 the percentage of projected cumulative participating customers, or appropriate unit of
15 measure, by year to the total customers eligible to participate in the program;

16 (g) ~~(h)~~ Estimates on an appropriate unit of measure basis of the per customer and
17 program total annual KWH reduction, winter KW reduction, and summer KW reduction, both
18 at the customer meter and the generation level, attributable to the program. A summary of all
19 assumptions used in the estimates, and a list of measures within the program must ~~will~~ be
20 included;

21 (h) ~~(i)~~ A methodology for measuring actual KW kilowatt and KWH kilowatt-hour
22 savings achieved from each program, including a description of research design,

23

1 instrumentation, use of control groups, and other details sufficient to ensure that results are
2 valid;
3 ~~(i)~~ (j) An estimate of the cost-effectiveness of the program using the cost-effectiveness
4 tests required pursuant this Rule and to Rule 25-17.008, F.A.C. ~~If the Commission finds that a~~
5 ~~utility's conservation plan has not met or will not meet its goals, the Commission may require~~
6 ~~the utility to modify its proposed programs or adopt additional programs and submit its plans~~
7 ~~for approval.~~

8 (j) An estimate of the annual amount to be recovered through the energy conservation
9 cost recovery clause for each calendar year in the planning horizon.

10 (5) The Commission may, on its own motion or on a petition by a substantially
11 affected person or a utility, initiate a proceeding to review and, if appropriate, modify the
12 goals. All modifications of the approved goals, plans, and programs will be on a prospective
13 basis.

14 (6) ~~(5)~~ Each utility must ~~shall~~ submit an annual report no later than March 1 ~~of each~~
15 ~~year~~ summarizing its demand-side management plan and the total actual achieved results for
16 its approved demand-side management plan in the preceding calendar year. The report must
17 ~~shall~~ ~~contain, at a minimum,~~ a comparison of the achieved KW and KWH reductions with the
18 established Residential and Commercial/Industrial goals, and the following information for
19 each approved program:

20 (a) The name of the utility;

21 (b) The name of the program and program start date;

22 (c) The calendar year the report covers;

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 (d) ~~The~~ total number of customers₂ or other appropriate unit of measure₂ by customer
2 class for each calendar year of the planning horizon;

3 (e) ~~The~~ total number of customers₂ or other appropriate unit of measure₂ eligible to
4 participate in the program for each calendar year of the planning horizon;

5 (f) ~~The~~ total number of customers₂ or other appropriate unit of measure₂ projected to
6 participate in the program for each calendar year of the planning horizon;

7 (g) The potential cumulative penetration level of the program to date calculated as the
8 percentage of projected participating customers to date to the total eligible customers in the
9 class;

10 (h) The actual number of program participants and the current cumulative number of
11 program participants;

12 (i) The actual cumulative penetration level of the program calculated as the percentage
13 of actual cumulative participating customers to the number of eligible customers in the class;

14 (j) A comparison of the actual cumulative penetration level of the program to the
15 potential cumulative penetration level of the program;

16 (k) A justification for any variances ~~greater~~ larger than 15% from ~~for~~ the annual goals
17 established by the Commission;

18 (l) Using on-going measurement and evaluation results the annual KWH reduction, the
19 winter KW reduction, and the summer KW reduction, both at the meter and the generation
20 level, per installation and program total, based on the utility's approved
21 measurement/evaluation plan;

22 (m) The per installation cost and the total program cost of the utility;

23

1 (n) The net benefits for measures installed during the reporting period, annualized over

2 the life of the program, as calculated by the following formula:

3
$$\text{annual benefits} = B_{npv} \times d/[1 - (1+d)^{-n}]$$

4 where

5 B_{npv} = cumulative present value of the net benefits over the life of the program for measures
6 installed during the reporting period.

7 D = discount rate (utility's after tax cost of capital).

8 N = life of the program.

9 *Rulemaking Authority 350.127(2), 366.05(1), ~~366.82(1)-(4)~~ FS. Law Implemented 366.82(~~1~~)*

10 *(~~4~~) FS. History—New 4-30-93, Amended*

11

12

13

14

15

16

17

18

19

20

21

22

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

ATTACHMENT B

Rule 25-17.0021, F.A.C. Proposed Revisions in Docket No. 20200181-EU by
Southern Alliance for Clean Energy

1 **25-17.0021 Goals for Electric Utilities.**

2 (1) The Commission will ~~shall~~ initiate a proceeding at least once every five years to
3 establish numerical goals for each affected electric utility, as defined by Section 366.82(1)(a),
4 F.S., to reduce the growth rates of weather sensitive peak demand, to reduce and control the
5 growth rates of electric consumption, and to increase the conservation of expensive resources,
6 such as petroleum fuels. The Commission will set annual Overall Residential kilowatt (KW)
7 and kilowatt-hour (KWH) goals and annual overall Commercial/Industrial KW and KWH
8 goals shall be set by the Commission for each year over a ten-year period. The goals, will shall
9 be based on:

10 (a) An assessment of the technical potential of available measures; and

11 (b) aAn estimate of the total cost-effective KW kilowatt and KWH kilowatt-hour
12 savings reasonably achievable through demand-side management programs in each utility's
13 service area over a ten-year period.

14 (2) Pursuant to the schedule in an order establishing procedure in the proceeding to
15 establish demand-side management goals, each utility must file a technical potential study.
16 The Commission shall set goals for each utility at least once every five years. The technical
17 potential study must be used to develop the proposed demand-side management goals, and it
18 must assess the full technical potential of all available demand-side conservation and
19 efficiency measures, including demand-side renewable energy systems, associated with each
20 of the following market segments and major end-use categories.

21 Residential Market Segment:

22 (Existing Homes and New Construction should be separately evaluated) Major End-Use

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 Category

2 (a) Building Envelope Efficiencies.

3 (b) Cooling and Heating Efficiencies.

4 (c) Water Heating Systems.

5 (d) Lighting Efficiencies.

6 (e) Appliance Efficiencies.

7 (f) Peak Load Shaving.

8 (g) Solar Energy and Renewable Energy Sources.

9 Commercial/Industrial Market Segment:

10 (Existing Facilities and New Construction should be separately evaluated) Major End-Use

11 Category

12 (h) Building Envelope Efficiencies.

13 (i) Cooling and Heating Efficiencies.

14 (j) Lighting Efficiencies.

15 (k) Appliance Efficiencies.

16 (l) Power Equipment/Motor Efficiency.

17 (m) Peak Load Shaving.

18 (n) Water Heating Systems.

19 (o) Refrigeration/Freezing Equipment.

20 (p) Solar Energy and Renewable Energy Sources.

21 (qt) High Thermal Efficient Self Service Cogeneration.

22 Each utility's filing must describe how the technical potential study was used to develop the

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 goals filed pursuant to subsection (3) below, including identification of measures that were
2 analyzed but excluded from consideration. ~~The Commission on its own motion or petition by a~~
3 ~~substantially affected person or a utility may initiate a proceeding to review and, if~~
4 ~~appropriate, modify the goals. All modifications of the approved goals, plans and programs~~
5 ~~shall only be on a prospective basis.~~

6 (3) Pursuant to the schedule in an order establishing procedure in the proceeding to
7 establish demand-side management goals, each utility must file its proposed demand-side
8 management goals. ~~In a proceeding to establish or modify goals, each utility shall propose~~
9 ~~numerical goals for the ten year period and provide ten year projections, based upon the~~
10 ~~utility's most recent planning process, of the total, cost-effective, winter and summer peak~~
11 ~~demand (KW) and annual energy (KWH) savings reasonably achievable in the residential and~~
12 ~~commercial/industrial classes through demand-side management.~~ Each utility must also file
13 demand-side management goals developed under two scenarios: one scenario that includes
14 potential demand-side management programs that pass the Participant and Rate Impact
15 Measure Tests, and one scenario that includes potential demand-side management programs
16 that pass the Participant and Total Resource Cost Tests, as these terms are used in Rule 25-
17 17.008, F.A.C. Each utility's goal projections must be based on the utility's most recent
18 planning process and must shall reflect the annual KW and KWH savings, over a ten-year
19 period, from potential demand-side management programs with consideration of overlapping
20 measures, rebound effects, free riders, interactions with building codes and appliance
21 efficiency standards, and the utility's latest monitoring and evaluation of conservation
22 programs and measures. In addition, for each potential demand-side management program

22

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 identified in the proposed goals and in each scenario described above, each utility must
2 provide overall estimated annual program costs over a ten-year period. ~~Consideration of~~
3 ~~overlapping measures, rebound effects, free riders, interactions with building codes and~~
4 ~~appliance efficiency standards must be based on a transparent, evidence-based methodology~~
5 ~~that is consistent with industry standard practices, and must be accounted for within the~~
6 ~~utility's assumptions for naturally occurring energy efficiency adoption outside of utility-~~
7 ~~administered programs. Free ridership screening shall not be based on simple payback~~
8 ~~duration.~~ Each utility's projections shall be based upon an assessment of, at a minimum, the
9 following market segments and major end use categories.

10 Residential Market Segment:

11 (~~Existing Homes and New Construction should be separately evaluated~~) Major End Use

12 Category

- 13 (a) ~~Building Envelope Efficiencies.~~
- 14 (b) ~~Cooling and Heating Efficiencies.~~
- 15 (c) ~~Water Heating Systems.~~
- 16 (d) ~~Appliance Efficiencies.~~
- 17 (e) ~~Peakload Shaving.~~
- 18 (f) ~~Solar Energy and Renewable Energy Sources.~~
- 19 (g) ~~Renewable/Natural gas substitutes for electricity.~~
- 20 (h) ~~Other.~~

21 Commercial/Industrial Market Segment:

22 (~~Existing Facilities and New Construction should be separately evaluated~~) Major End Use

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 Category

2 ~~(i) Building Envelope Efficiencies.~~

3 ~~(j) HVAC Systems.~~

4 ~~(k) Lighting Efficiencies.~~

5 ~~(l) Appliance Efficiencies.~~

6 ~~(m) Power Equipment/Motor Efficiency.~~

7 ~~(n) Peak Load Shaving.~~

8 ~~(o) Water Heating.~~

9 ~~(p) Refrigeration Equipment.~~

10 ~~(q) Freezing Equipment.~~

11 ~~(r) Solar Energy and Renewable Energy Sources.~~

12 ~~(s) Renewable/Natural Gas substitutes for electricity.~~

13 ~~(t) High Thermal Efficient Self Service Cogeneration.~~

14 ~~(u) Other.~~

15 (4) Within 90 days of a final order establishing or modifying goals, each utility must
16 file its demand-side management plan that includes the programs to meet the approved goals,

17 along with program administrative standards that include a statement of the policies and

18 procedures detailing the operation and administration of each program. Each utility must also

19 consider strategies to mitigate excessive free ridership during program planning. ~~or such~~

20 ~~longer period as approved by the Commission, each utility shall submit for Commission~~

21 ~~approval a demand side management plan designed to meet the utility's approved goals. The~~

22 following information ~~must shall~~ be filed submitted for each demand-side management

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

- 1 program included in the utility's demand-side management plan for a ten-year projected
- 2 horizon period:
- 3 (a) The program name;
- 4 (b) The program start date;
- 5 ~~(c) A statement of the policies and procedures detailing the operation and~~
- 6 ~~administration of the program;~~
- 7 (c) ~~(d)~~ The total number of customers, or other appropriate unit of measure, in each
- 8 class of customer (i.e. residential, commercial, industrial, etc.) for each calendar year in the
- 9 planning horizon;
- 10 (d) ~~(e)~~ The total number of eligible customers, or other appropriate unit of measure, in
- 11 each class of customers (i.e., residential, commercial, industrial, etc.) for each calendar year in
- 12 the planning horizon;
- 13 (e) ~~(f)~~ An estimate of the annual number of customers, or other appropriate unit of
- 14 measure, in each class of customers projected to participate in the program for each calendar
- 15 year of the planning horizon, including a description of how the estimate was derived;
- 16 (f) ~~(g)~~ The cumulative penetration levels of the program by calendar year calculated as
- 17 the percentage of projected cumulative participating customers, or appropriate unit of
- 18 measure, by year to the total customers eligible to participate in the program;
- 19 (g) ~~(h)~~ Estimates on an appropriate unit of measure basis of the per customer and
- 20 program total annual KWH reduction, winter KW reduction, and summer KW reduction, both
- 21 at the customer meter and the generation level, attributable to the program. A summary of all
- 22 assumptions used in the estimates, and a list of measures within the program must ~~will~~ be

22

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 included;

2 (h) (i) A methodology for measuring actual KW kilowatt and KWH kilowatt-hour
3 savings achieved from each program, including a description of research design,
4 instrumentation, use of control groups, and other details sufficient to ensure that results are
5 valid;

6 (i) (j) An estimate of the cost-effectiveness of the program using the cost-effectiveness
7 tests required pursuant to Rule 25-17.008, F.A.C. ~~If the Commission finds that a utility's~~
8 ~~conservation plan has not met or will not meet its goals, the Commission may require the~~
9 ~~utility to modify its proposed programs or adopt additional programs and submit its plans for~~
10 ~~approval.~~

11 (j) An estimate of the annual amount to be recovered through the energy conservation
12 cost recovery clause for each calendar year in the planning horizon.

13 (5) The Commission may, on its own motion or on a petition by a substantially
14 affected person or a utility, initiate a proceeding to review and, if appropriate, modify the
15 goals. All modifications of the approved goals, plans, and programs will be on a prospective
16 basis.

17 (6) (5) Each utility must ~~shall~~ submit an annual report no later than March 1 ~~of each~~
18 ~~year~~ summarizing its demand-side management plan and the total actual achieved results for
19 its approved demand-side management plan in the preceding calendar year. The report must
20 ~~shall~~ contain, ~~at a minimum,~~ a comparison of the achieved KW and KWH reductions with the
21 established Residential and Commercial/Industrial goals, and the following information for
22 each approved program:

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

- 1 (a) The name of the utility;
- 2 (b) The name of the program and program start date;
- 3 (c) The calendar year the report covers;
- 4 (d) The ~~The~~ total number of customers, or other appropriate unit of measure, by customer
- 5 class for each calendar year of the planning horizon;
- 6 (e) The ~~The~~ total number of customers, or other appropriate unit of measure, eligible to
- 7 participate in the program for each calendar year of the planning horizon;
- 8 (f) The ~~The~~ total number of customers, or other appropriate unit of measure, projected to
- 9 participate in the program for each calendar year of the planning horizon;
- 10 (g) The potential cumulative penetration level of the program to date calculated as the
- 11 percentage of projected participating customers to date to the total eligible customers in the
- 12 class;
- 13 (h) The actual number of program participants and the current cumulative number of
- 14 program participants;
- 15 (i) The actual cumulative penetration level of the program calculated as the percentage
- 16 of actual cumulative participating customers to the number of eligible customers in the class;
- 17 (j) A comparison of the actual cumulative penetration level of the program to the
- 18 potential cumulative penetration level of the program;
- 19 (k) A justification for any variances greater ~~larger~~ than 15% from ~~for~~ the annual goals
- 20 established by the Commission;
- 21 (l) Using on-going measurement and evaluation results the annual KWH reduction, the
- 22 winter KW reduction, and the summer KW reduction, both at the meter and the generation

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 level, per installation and program total, based on the utility's approved

2 measurement/evaluation plan;

3 (m) The per installation cost and the total program cost of the utility;

4 (n) The net benefits for measures installed during the reporting period, annualized over

5 the life of the program, as calculated by the following formula:

6
$$\text{annual benefits} = B_{npv} \times d/[1 - (1+d)^{-n}]$$

7 where

8 B_{npv} = cumulative present value of the net benefits over the life of the program for measures

9 installed during the reporting period.

10 D = discount rate (utility's after tax cost of capital).

11 N = life of the program.

12 *Rulemaking Authority 350.127(2), 366.05(1), ~~366.82(1)-(4)~~ FS. Law Implemented 366.82(1)-*

13 *~~(4)~~ FS. History—New 4-30-93, Amended _____*

14

15

16

17

18

19

20

21

22

23

ATTACHMENT C

Rule 25-17.0021, F.A.C. Proposed Revisions in Docket No. 20200181-EU by
Southern Alliance for Clean Energy

1 **25-17.0021 Goals for Electric Utilities.**

2 (1) The Commission will ~~shall~~ initiate a proceeding at least once every five years to
3 establish numerical goals for each affected electric utility, as defined by Section 366.82(1)(a),
4 F.S., to reduce the growth rates of weather sensitive peak demand, to reduce and control the
5 growth rates of electric consumption, and to increase the conservation of expensive resources,
6 such as petroleum fuels. The Commission will set annual Overall Residential kilowatt (KW)
7 and kilowatt-hour (KWH) goals and annual overall Commercial/Industrial KW and KWH
8 goals shall be set by the Commission for each year over a ten-year period. The goals, will shall
9 be based on:

10 (a) An assessment of the technical potential of available measures; and

11 (b) An estimate of the total cost-effective KW kilowatt and KWH kilowatt-hour
12 savings reasonably achievable through demand-side management programs in each utility's
13 service area over a ten-year period.

14 (2) Pursuant to the schedule in an order establishing procedure in the proceeding to
15 establish demand-side management goals, each utility must file a technical potential study.
16 The Commission shall set goals for each utility at least once every five years. The technical
17 potential study must be used to develop the proposed demand-side management goals, and it
18 must assess the full technical potential of all available demand-side conservation and
19 efficiency measures, including demand-side renewable energy systems, associated with each
20 of the following market segments and major end-use categories.

21 Residential Market Segment:

22 (Existing Homes and New Construction should be separately evaluated) Major End-Use

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 Category

- 2 (a) Building Envelope Efficiencies.
- 3 (b) Cooling and Heating Efficiencies.
- 4 (c) Water Heating Systems.
- 5 (d) Lighting Efficiencies.
- 6 (e) Appliance Efficiencies.
- 7 (f) Peak Load Shaving.
- 8 (g) Solar Energy and Renewable Energy Sources.

9

10 Commercial/Industrial Market Segment:

11 (Existing Facilities and New Construction should be separately evaluated) Major End-Use

12 Category

- 13 (h) Building Envelope Efficiencies.
- 14 (i) Cooling and Heating Efficiencies.
- 15 (j) Lighting Efficiencies.
- 16 (k) Appliance Efficiencies.
- 17 (l) Power Equipment/Motor Efficiency.
- 18 (m) Peak Load Shaving.
- 19 (n) Water Heating Systems.
- 20 (o) Refrigeration/Freezing Equipment.
- 21 (p) Solar Energy and Renewable Energy Sources.
- 22 (q) High Thermal Efficient Self Service Cogeneration.

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 Each utility's filing must describe how the technical potential study was used to develop the
2 goals filed pursuant to subsection (3) below, including identification of measures that were
3 analyzed but excluded from consideration. ~~The Commission on its own motion or petition by a~~
4 substantially affected person or a utility may initiate a proceeding to review and, if
5 appropriate, modify the goals. All modifications of the approved goals, plans and programs
6 shall only be on a prospective basis.

7 (3) Pursuant to the schedule in an order establishing procedure in the proceeding to
8 establish demand-side management goals, each utility must file its proposed demand-side
9 management goals. In a proceeding to establish or modify goals, each utility shall propose
10 numerical goals for the ten-year period and provide ten-year projections, based upon the
11 utility's most recent planning process, of the total, cost-effective, winter and summer peak
12 demand (KW) and annual energy (KWH) savings reasonably achievable in the residential and
13 commercial/industrial classes through demand-side management. Each utility must also file
14 demand-side management goals developed under two scenarios: one scenario that includes
15 potential demand-side management programs that pass the Participant and Rate Impact
16 Measure Tests, and one scenario that includes potential demand-side management programs
17 that pass the Participant and Total Resource Cost Tests, as these terms are used in Rule 25-
18 17.008, F.A.C. Each utility's goal projections must be based on the utility's most recent
19 planning process and must shall reflect the annual KW and KWH savings, over a ten-year
20 period, from potential demand-side management programs with consideration of overlapping
21 measures, rebound effects, free riders, interactions with building codes and appliance
22 efficiency standards, and the utility's latest monitoring and evaluation of conservation

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 programs and measures. In addition, for each potential demand-side management program
2 identified in the proposed goals and in each scenario described above, each utility must
3 provide overall estimated annual program costs over a ten-year period. Any program, or its
4 measures, specifically designated for Low Income Customers shall be excepted from standard
5 cost-effectiveness requirements and free ridership consideration. Each utility's projections
6 shall be based upon an assessment of, at a minimum, the following market segments and
7 major end-use categories:

8 Residential Market Segment:

9 (~~Existing Homes and New Construction should be separately evaluated~~) Major End-Use
10 Category

- 11 ~~(a) Building Envelope Efficiencies.~~
- 12 ~~(b) Cooling and Heating Efficiencies.~~
- 13 ~~(c) Water Heating Systems.~~
- 14 ~~(d) Appliance Efficiencies.~~
- 15 ~~(e) Peakload Shaving.~~
- 16 ~~(f) Solar Energy and Renewable Energy Sources.~~
- 17 ~~(g) Renewable/Natural gas substitutes for electricity.~~
- 18 ~~(h) Other.~~

19 Commercial/Industrial Market Segment:

20 (~~Existing Facilities and New Construction should be separately evaluated~~) Major End-Use
21 Category

- 22 ~~(i) Building Envelope Efficiencies.~~

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

- 1 ~~(j) HVAC Systems.~~
- 2 ~~(k) Lighting Efficiencies.~~
- 3 ~~(l) Appliance Efficiencies.~~
- 4 ~~(m) Power Equipment/Motor Efficiency.~~
- 5 ~~(n) Peak Load Shaving.~~
- 6 ~~(o) Water Heating.~~
- 7 ~~(p) Refrigeration Equipment.~~
- 8 ~~(q) Freezing Equipment.~~
- 9 ~~(r) Solar Energy and Renewable Energy Sources.~~
- 10 ~~(s) Renewable/Natural Gas substitutes for electricity.~~
- 11 ~~(t) High Thermal Efficient Self Service Cogeneration.~~
- 12 ~~(u) Other.~~

13 (4) Within 90 days of a final order establishing or modifying goals, each utility must
14 file its demand-side management plan that includes the programs to meet the approved goals,
15 along with program administrative standards that include a statement of the policies and
16 procedures detailing the operation and administration of each program. ~~or such longer period~~
17 ~~as approved by the Commission, each utility shall submit for Commission approval a demand~~
18 ~~side management plan designed to meet the utility's approved goals.~~ The following
19 information ~~shall~~ must be filed ~~submitted~~ for each demand-side management program
20 included in the utility's demand-side management plan for a ten-year projected horizon
21 period:

- 22 (a) The program name;

23

1 (b) The program start date;

2 ~~(c) A statement of the policies and procedures detailing the operation and~~
3 ~~administration of the program;~~

4 ~~(c) (d)~~ The total number of customers, or other appropriate unit of measure, in each
5 ~~class of~~ customer segment (i.e. residential, low income, commercial, industrial, etc.) for each
6 calendar year in the planning horizon;

7 ~~(d) (e)~~ The total number of eligible customers, or other appropriate unit of measure, in
8 each ~~class of~~ customers segment (i.e., residential, low income, commercial, industrial, etc.) for
9 each calendar year in the planning horizon;

10 ~~(e) (f)~~ An estimate of the annual number of customers, or other appropriate unit of
11 measure, in each class of customers projected to participate in the program for each calendar
12 year of the planning horizon, including a description of how the estimate was derived;

13 ~~(f) (g)~~ The cumulative penetration levels of the program by calendar year calculated as
14 the percentage of projected cumulative participating customers, or appropriate unit of
15 measure, by year to the total customers eligible to participate in the program;

16 ~~(g) (h)~~ Estimates on an appropriate unit of measure basis of the per customer and
17 program total annual KWH reduction, winter KW reduction, and summer KW reduction, both
18 at the customer meter and the generation level, attributable to the program. A summary of all
19 assumptions used in the estimates, and a list of measures within the program must ~~will~~ be
20 included;

21 ~~(h) (i)~~ A methodology for measuring actual KW kilowatt and KWH kilowatt-hour
22 savings achieved from each program, including a description of research design,

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 instrumentation, use of control groups, and other details sufficient to ensure that results are
2 valid;

3 ~~(i)~~ (j) An estimate of the cost-effectiveness of the program using the cost-effectiveness
4 tests required pursuant to Rule 25-17.008, F.A.C. ~~If the Commission finds that a utility's~~
5 ~~conservation plan has not met or will not meet its goals, the Commission may require the~~
6 ~~utility to modify its proposed programs or adopt additional programs and submit its plans for~~
7 ~~approval.~~

8 (j) An estimate of the annual amount to be recovered through the energy conservation
9 cost recovery clause for each calendar year in the planning horizon.

10 (5) The Commission may, on its own motion or on a petition by a substantially
11 affected person or a utility, initiate a proceeding to review and, if appropriate, modify the
12 goals. All modifications of the approved goals, plans, and programs will be on a prospective
13 basis.

14 ~~(6)~~ ~~(5)~~ Each utility must ~~shall~~ submit an annual report no later than March 1 ~~of each~~
15 ~~year~~ summarizing its demand-side management plan and the total actual achieved results for
16 its approved demand-side management plan in the preceding calendar year. The report must
17 ~~shall~~ ~~contain, at a minimum,~~ a comparison of the achieved KW and KWH reductions with the
18 established Residential and Commercial/Industrial goals, and the following information for
19 each approved program:

20 (a) The name of the utility;

21 (b) The name of the program and program start date;

22 (c) The calendar year the report covers;

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 (d) The ~~The~~ total number of customers₂ or other appropriate unit of measure₂ by customer
2 class for each calendar year of the planning horizon;

3 (e) The ~~The~~ total number of customers₂ or other appropriate unit of measure₂ eligible to
4 participate in the program for each calendar year of the planning horizon;

5 (f) The ~~The~~ total number of customers₂ or other appropriate unit of measure₂ projected to
6 participate in the program for each calendar year of the planning horizon;

7 (g) The potential cumulative penetration level of the program to date calculated as the
8 percentage of projected participating customers to date to the total eligible customers in the
9 class;

10 (h) The actual number of program participants and the current cumulative number of
11 program participants;

12 (i) The actual cumulative penetration level of the program calculated as the percentage
13 of actual cumulative participating customers to the number of eligible customers in the class;

14 (j) A comparison of the actual cumulative penetration level of the program to the
15 potential cumulative penetration level of the program;

16 (k) A justification for any variances ~~greater~~ larger than 15% from ~~for~~ the annual goals
17 established by the Commission;

18 (l) Using on-going measurement and evaluation results the annual KWH reduction, the
19 winter KW reduction, and the summer KW reduction, both at the meter and the generation
20 level, per installation and program total, based on the utility's approved
21 measurement/evaluation plan;

22 (m) The per installation cost and the total program cost of the utility;

23

1 (n) The net benefits for measures installed during the reporting period, annualized over

2 the life of the program, as calculated by the following formula:

3
$$\text{annual benefits} = B_{\text{npv}} \times d/[1 - (1+d)^{-n}]$$

4 where

5 B_{npv} = cumulative present value of the net benefits over the life of the program for measures
6 installed during the reporting period.

7 D = discount rate (utility's after tax cost of capital).

8 N = life of the program.

9 *Rulemaking Authority 350.127(2), 366.05(1), ~~366.82(1)-(4)~~ FS. Law Implemented 366.82(~~1~~)*

10 *(~~4~~) FS. History—New 4-30-93, Amended*

11

12

13

14

15

16

17

18

19

20

21

22

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

ATTACHMENT D

Rule 25-17.0021, F.A.C. Proposed Revisions in Docket No. 20200181-EU by
Southern Alliance for Clean Energy

1 **25-17.0021 Goals for Electric Utilities.**

2 (1) The Commission ~~will shall~~ initiate a proceeding at least once every five years to
3 establish ~~numerical~~ goals for each affected electric utility, as defined by Section 366.82(1)(a),
4 F.S., ~~to reduce the growth rates of weather sensitive peak demand, to reduce and control the~~
5 ~~growth rates of electric consumption, and to increase the conservation of expensive resources,~~
6 ~~such as petroleum fuels.~~ The Commission will set annual Overall Residential kilowatt (KW)
7 and kilowatt-hour (KWH) goals and annual overall Commercial/Industrial KW and KWH
8 ~~goals shall be set by the Commission for each year over a ten-year period. The goals, will shall~~
9 be based on:

10 (a) An assessment of the technical potential of available measures; ~~and~~

11 (b) ~~a~~ An estimate of the total cost-effective KW kilowatt and KWH kilowatt-hour
12 savings reasonably achievable through demand-side management programs in each utility's
13 service area over a ten-year period; ~~and~~

14 (c) Discrete KW and KWH savings for Low Income Customers provided through
15 income qualified demand-side management programs in each utility's service area over a ten-
16 year period. These savings goals shall be proportionate to the population of Low Income
17 customers within the utility's service area. For the purposes of this Rule, the term "Low
18 Income Customer" means households earning at or below two hundred percent (200%) of the
19 Federal Poverty Level, as determined annually by the United States Department of Health and
20 Human Services. "Income qualified" demand-side management programs are those programs
21 which are designed to serve Low Income Customers.

22

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 (2) Pursuant to the schedule in an order establishing procedure in the proceeding to
2 establish demand-side management goals, each utility must file a technical potential study.
3 ~~The Commission shall set goals for each utility at least once every five years.~~ The technical
4 potential study must be used to develop the proposed demand-side management goals, and it
5 must assess the full technical potential of all available demand-side conservation and
6 efficiency measures, including demand-side renewable energy systems, associated with each
7 of the following market segments and major end-use categories.

8 Residential Market Segment:

9 (Existing Homes and New Construction should be separately evaluated) Major End-Use
10 Category

- 11 (a) Building Envelope Efficiencies.
- 12 (b) Cooling and Heating Efficiencies.
- 13 (c) Water Heating Systems.
- 14 (d) Lighting Efficiencies.
- 15 (e) Appliance Efficiencies.
- 16 (f) Peak Load Shaving.
- 17 (g) Solar Energy and Renewable Energy Sources.

18
19 Commercial/Industrial Market Segment:

20 (Existing Facilities and New Construction should be separately evaluated) Major End-Use
21 Category

- 22 (h) Building Envelope Efficiencies.

23

- 1 (i) Cooling and Heating Efficiencies.
- 2 (j) Lighting Efficiencies.
- 3 (k) Appliance Efficiencies.
- 4 (l) Power Equipment/Motor Efficiency.
- 5 (m) Peak Load Shaving.
- 6 (n) Water Heating Systems.
- 7 (o) Refrigeration/Freezing Equipment.
- 8 (p) Solar Energy and Renewable Energy Sources.
- 9 (q) High Thermal Efficient Self Service Cogeneration.

10 Each utility’s filing must describe how the technical potential study was used to develop the
11 goals filed pursuant to subsection (3) below, including identification of measures that were
12 analyzed but excluded from consideration. ~~The Commission on its own motion or petition by a~~
13 substantially affected person or a utility may initiate a proceeding to review and, if
14 appropriate, modify the goals. All modifications of the approved goals, plans and programs
15 shall only be on a prospective basis.

16 (3) Pursuant to the schedule in an order establishing procedure in the proceeding to
17 establish demand-side management goals, each utility must file its proposed demand-side
18 management goals. In a proceeding to establish or modify goals, each utility shall propose
19 numerical goals for the ten year period and provide ten year projections, based upon the
20 utility’s most recent planning process, of the total, cost-effective, winter and summer peak
21 demand (KW) and annual energy (KWH) savings reasonably achievable in the residential and
22 commercial/industrial classes through demand-side management. Each utility must also file

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 demand-side management goals developed under two scenarios: one scenario that includes
2 potential demand-side management programs that pass the Participant and Rate Impact
3 Measure Tests, and one scenario that includes potential demand-side management programs
4 that pass the Participant and Total Resource Cost Tests, as these terms are used in Rule 25-
5 17.008, F.A.C. Each utility's goal projections must be based on the utility's most recent
6 planning process and must shall reflect the annual KW and KWH savings, over a ten-year
7 period, from potential demand-side management programs with consideration of overlapping
8 measures, rebound effects, free riders, interactions with building codes and appliance
9 efficiency standards, and the utility's latest monitoring and evaluation of conservation
10 programs and measures. In addition, for each potential demand-side management program
11 identified in the proposed goals and in each scenario described above, each utility must
12 provide overall estimated annual program costs over a ten-year period. Each utility's
13 projections shall be based upon an assessment of, at a minimum, the following market
14 segments and major end-use categories.

15 Residential Market Segment:

16 (~~Existing Homes and New Construction should be separately evaluated~~) Major End-Use

17 Category

18 (a) ~~Building Envelope Efficiencies.~~

19 (b) ~~Cooling and Heating Efficiencies.~~

20 (c) ~~Water Heating Systems.~~

21 (d) ~~Appliance Efficiencies.~~

22 (e) ~~Peakload Shaving.~~

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 ~~(f) Solar Energy and Renewable Energy Sources.~~

2 ~~(g) Renewable/Natural gas substitutes for electricity.~~

3 ~~(h) Other.~~

4 Commercial/Industrial Market Segment:

5 ~~(Existing Facilities and New Construction should be separately evaluated) Major End Use~~

6 ~~Category~~

7 ~~(i) Building Envelope Efficiencies.~~

8 ~~(j) HVAC Systems.~~

9 ~~(k) Lighting Efficiencies.~~

10 ~~(l) Appliance Efficiencies.~~

11 ~~(m) Power Equipment/Motor Efficiency.~~

12 ~~(n) Peak Load Shaving.~~

13 ~~(o) Water Heating.~~

14 ~~(p) Refrigeration Equipment.~~

15 ~~(q) Freezing Equipment.~~

16 ~~(r) Solar Energy and Renewable Energy Sources.~~

17 ~~(s) Renewable/Natural Gas substitutes for electricity.~~

18 ~~(t) High Thermal Efficient Self Service Cogeneration.~~

19 ~~(u) Other.~~

20 (4) Within 90 days of a final order establishing or modifying goals, each utility must

21 file its demand-side management plan that includes the programs to meet the approved goals,

22 along with program administrative standards that include a statement of the policies and

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 ~~procedures detailing the operation and administration of each program. or such longer period~~
2 ~~as approved by the Commission, each utility shall submit for Commission approval a demand~~
3 ~~side management plan designed to meet the utility's approved goals. The following~~
4 ~~information must shall be filed ~~submitted~~ for each demand-side management program~~
5 ~~included in the utility's demand-side management plan for a ten-year projected horizon~~
6 ~~period:~~

7 (a) The program name;

8 (b) The program start date;

9 ~~(c) A statement of the policies and procedures detailing the operation and~~
10 ~~administration of the program;~~

11 ~~(c) (d)~~ The total number of customers, or other appropriate unit of measure, in each
12 ~~class of~~ customer segment (i.e. residential, low income, commercial, industrial, etc.) for each
13 calendar year in the planning horizon;

14 ~~(d) (e)~~ The total number of eligible customers, or other appropriate unit of measure, in
15 each ~~class of~~ customers segment (i.e., residential, low income, commercial, industrial, etc.) for
16 each calendar year in the planning horizon;

17 ~~(e) (f)~~ An estimate of the annual number of customers, or other appropriate unit of
18 measure, in each class of customers projected to participate in the program for each calendar
19 year of the planning horizon, including a description of how the estimate was derived;

20 ~~(f) (g)~~ The cumulative penetration levels of the program by calendar year calculated as
21 the percentage of projected cumulative participating customers, or appropriate unit of
22 measure, by year to the total customers eligible to participate in the program;

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 ~~(g)~~ ~~(h)~~ Estimates on an appropriate unit of measure basis of the per customer and
2 program total annual KWH reduction, winter KW reduction, and summer KW reduction, both
3 at the customer meter and the generation level, attributable to the program. A summary of all
4 assumptions used in the estimates, and a list of measures within the program must ~~will~~ be
5 included;

6 ~~(h)~~ ~~(i)~~ A methodology for measuring actual KW kilowatt and KWH kilowatt-hour
7 savings achieved from each program, including a description of research design,
8 instrumentation, use of control groups, and other details sufficient to ensure that results are
9 valid;

10 ~~(i)~~ ~~(j)~~ An estimate of the cost-effectiveness of the program using the cost-effectiveness
11 tests required pursuant to Rule 25-17.008, F.A.C. ~~If the Commission finds that a utility's~~
12 ~~conservation plan has not met or will not meet its goals, the Commission may require the~~
13 ~~utility to modify its proposed programs or adopt additional programs and submit its plans for~~
14 ~~approval.~~

15 (j) An estimate of the annual amount to be recovered through the energy conservation
16 cost recovery clause for each calendar year in the planning horizon.

17 (5) The Commission may, on its own motion or on a petition by a substantially
18 affected person or a utility, initiate a proceeding to review and, if appropriate, modify the
19 goals. All modifications of the approved goals, plans, and programs will be on a prospective
20 basis.

21 ~~(6)~~ ~~(5)~~ Each utility must ~~shall~~ submit an annual report no later than March 1 ~~of each~~
22 ~~year~~ summarizing its demand-side management plan and the total actual achieved results for

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

- 1 its approved demand-side management plan in the preceding calendar year. The report must
- 2 ~~shall contain, at a minimum,~~ a comparison of the achieved KW and KWH reductions with the
- 3 established Residential and Commercial/Industrial goals, and the following information for
- 4 each approved program:
- 5 (a) The name of the utility;
- 6 (b) The name of the program and program start date;
- 7 (c) The calendar year the report covers;
- 8 (d) ~~The~~ total number of customers, or other appropriate unit of measure, by customer
- 9 class for each calendar year of the planning horizon;
- 10 (e) ~~The~~ total number of customers, or other appropriate unit of measure, eligible to
- 11 participate in the program for each calendar year of the planning horizon;
- 12 (f) ~~The~~ total number of customers, or other appropriate unit of measure, projected to
- 13 participate in the program for each calendar year of the planning horizon;
- 14 (g) The potential cumulative penetration level of the program to date calculated as the
- 15 percentage of projected participating customers to date to the total eligible customers in the
- 16 class;
- 17 (h) The actual number of program participants and the current cumulative number of
- 18 program participants;
- 19 (i) The actual cumulative penetration level of the program calculated as the percentage
- 20 of actual cumulative participating customers to the number of eligible customers in the class;
- 21 (j) A comparison of the actual cumulative penetration level of the program to the
- 22 potential cumulative penetration level of the program;

22

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 (k) A justification for any variances greater ~~larger~~ than 15% from ~~for~~ the annual goals
 2 established by the Commission;

3 (l) Using on-going measurement and evaluation results the annual KWH reduction, the
 4 winter KW reduction, and the summer KW reduction, both at the meter and the generation
 5 level, per installation and program total, based on the utility's approved
 6 measurement/evaluation plan;

7 (m) The per installation cost and the total program cost of the utility;

8 (n) The net benefits for measures installed during the reporting period, annualized over
 9 the life of the program, as calculated by the following formula:

10
$$\text{annual benefits} = B_{\text{npv}} \times d/[1 - (1+d)^{-n}]$$

11 where

12 B_{npv} = cumulative present value of the net benefits over the life of the program for measures
 13 installed during the reporting period.

14 D = discount rate (utility's after tax cost of capital).

15 N = life of the program.

16 *Rulemaking Authority 350.127(2), 366.05(1), ~~366.82(1)-(4)~~ FS. Law Implemented 366.82(1)-*

17 *(4) FS. History—New 4-30-93, Amended*

18

19

20

21

22

23

ATTACHMENT E

Rule 25-17.0021, F.A.C. Proposed Revisions in Docket No. 20200181-EU by
Southern Alliance for Clean Energy

1 **25-17.0021 Goals for Electric Utilities.**

2 (1) The Commission ~~will shall~~ initiate a proceeding at least once every five years to
3 establish ~~numerical~~ goals for each affected electric utility, as defined by Section 366.82(1)(a),
4 F.S., ~~to reduce the growth rates of weather sensitive peak demand, to reduce and control the~~
5 ~~growth rates of electric consumption, and to increase the conservation of expensive resources,~~
6 ~~such as petroleum fuels.~~ The Commission will set annual Overall Residential kilowatt (KW)
7 and kilowatt-hour (KWH) goals and annual overall Commercial/Industrial KW and KWH
8 ~~goals shall be set by the Commission for each year over a ten-year period. The goals, will shall~~
9 be based on:

10 (a) An assessment of the technical potential of available measures; ~~and~~

11 (b) An estimate of the total cost-effective KW kilowatt and KWH kilowatt-hour
12 savings reasonably achievable through demand-side management programs in each utility's
13 service area over a ten-year period. ~~The Commission may give consideration to balancing the~~
14 level of cost-effective demand side management goals with their potential effects on customer
15 rates and bills; and

16 (c) Discrete KW and KWH savings for Low Income Customers provided through
17 income qualified demand-side management programs in each utility's service area over a ten-
18 year period. These savings goals shall be proportionate to the population of Low Income
19 customers within the utility's service area. For the purposes of this Rule, the term "Low
20 Income Customer" means households earning at or below two hundred percent (200%) of the
21 Federal Poverty Level, as determined annually by the United States Department of Health and
22 Human Services. "Income qualified" demand-side management programs are those programs

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 which are designed to serve Low Income Customers.

2 (d) In addition to the numeric goals above, the Commission may give consideration to
3 other goals.

4 (2) Pursuant to the schedule in an order establishing procedure in the proceeding to
5 establish demand-side management goals, each utility must file a technical potential study.

6 ~~The Commission shall set goals for each utility at least once every five years. The technical~~
7 potential study must be used to develop the proposed demand-side management goals, and it
8 must assess the full technical potential of all available demand-side conservation and
9 efficiency measures, including demand-side renewable energy systems, associated with each
10 of the following market segments and major end-use categories.

11 Residential Market Segment:

12 (Existing Homes and New Construction should be separately evaluated) Major End-Use

13 Category

14 (a) Building Envelope Efficiencies.

15 (b) Cooling and Heating Efficiencies.

16 (c) Water Heating Systems.

17 (d) Lighting Efficiencies.

18 (e) Appliance Efficiencies.

19 (f) Peak Load Shaving.

20 (g) Solar Energy and Renewable Energy Sources.

21 (h) Efficient Electricity Substitutes for Natural Gas.

22 (i) Other.

23

1 Commercial/Industrial Market Segment:

2 (Existing Facilities and New Construction should be separately evaluated) Major End-Use

3 Category

4 (hj) Building Envelope Efficiencies.

5 (ik) Cooling and Heating Efficiencies.

6 (jl) Lighting Efficiencies.

7 (km) Appliance Efficiencies.

8 (ln) Power Equipment/Motor Efficiency.

9 (mo) Peak Load Shaving.

10 (np) Water Heating Systems.

11 (oq) Refrigeration/Freezing Equipment.

12 (pr) Solar Energy and Renewable Energy Sources.

13 (s) Efficient Electricity Substitutes for Natural Gas.

14 (qt) High Thermal Efficient Self Service Cogeneration.

15 (u) Other.

16 Each utility's filing must describe how the technical potential study was used to develop the

17 goals filed pursuant to subsection (3) below, including identification of measures that were

18 analyzed but excluded from consideration ~~from the technical potential study and any~~

19 subsequent economic and achievable potential studies. ~~The Commission on its own motion or~~

20 ~~petition by a substantially affected person or a utility may initiate a proceeding to review and,~~

21 ~~if appropriate, modify the goals. All modifications of the approved goals, plans and programs~~

22 ~~shall only be on a prospective basis.~~

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 (3) Pursuant to the schedule in an order establishing procedure in the proceeding to
2 establish demand-side management goals, each utility must file its proposed demand-side
3 management goals. In a proceeding to establish or modify goals, each utility shall propose
4 numerical goals for the ten-year period and provide ten-year projections, based upon the
5 utility's most recent planning process, of the total, cost-effective, winter and summer peak
6 demand (KW) and annual energy (KWH) savings reasonably achievable in the residential and
7 commercial/industrial classes through demand-side management. Each utility must also file
8 demand-side management goals developed under ~~two~~ three scenarios: one scenario that
9 includes potential demand-side management programs that pass the Participant and Rate
10 Impact Measure Tests, ~~and~~ one scenario that includes potential demand-side management
11 programs that pass the Participant and Total Resource Cost Tests, ~~and one scenario that~~
12 includes potential demand-side management programs that pass the Participant and the Utility
13 Cost Tests, as these terms are used in Rule 25-17.008, F.A.C., ~~with the Utility Cost Test~~
14 determined using the Rate Impact Measure test, but not including lost revenues from reduced
15 sales as a cost. Each utility must provide a transparent estimate of quantified effects for each
16 goal scenario it submits, including total utility system benefits, average bill savings associated
17 with decreased energy use, rate effects, and bill impacts. Each utility's goal projections must
18 be ~~based on~~ informed by the utility's most recent planning process and ~~must~~ shall reflect the
19 annual KW and KWH savings, over a ten-year period, from potential demand-side
20 management programs with consideration of overlapping measures, rebound effects, free
21 riders, interactions with building codes and appliance efficiency standards, and the utility's
22 latest monitoring and evaluation of conservation programs and measures. In addition, for each

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 potential demand-side management program identified in the proposed goals and in each
2 scenario described above, each utility must provide overall estimated annual program costs
3 over a ten-year period. ~~Consideration of overlapping measures, rebound effects, free riders,~~
4 interactions with building codes and appliance efficiency standards must be based on a
5 transparent, evidence-based methodology that is consistent with industry standard practices,
6 and must be accounted for within the utility's assumptions for naturally occurring energy
7 efficiency adoption outside of utility-administered programs. Freeridership screening shall not
8 be based on simple payback duration. Any program, or its measures, specifically designated
9 for Low Income Customers shall be excepted from standard cost-effectiveness requirements
10 and free ridership consideration. ~~Each utility's projections shall be based upon an assessment~~
11 ~~of, at a minimum, the following market segments and major end-use categories.~~

12 ~~Residential Market Segment:~~

13 ~~(Existing Homes and New Construction should be separately evaluated) Major End Use~~

14 ~~Category~~

15 ~~(a) Building Envelope Efficiencies.~~

16 ~~(b) Cooling and Heating Efficiencies.~~

17 ~~(c) Water Heating Systems.~~

18 ~~(d) Appliance Efficiencies.~~

19 ~~(e) Peakload Shaving.~~

20 ~~(f) Solar Energy and Renewable Energy Sources.~~

21 ~~(g) Renewable/Natural gas substitutes for electricity.~~

22 ~~(h) Other.~~

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 ~~Commercial/Industrial Market Segment:~~

2 ~~(Existing Facilities and New Construction should be separately evaluated) Major End Use~~

3 ~~Category~~

4 ~~(i) Building Envelope Efficiencies.~~

5 ~~(j) HVAC Systems.~~

6 ~~(k) Lighting Efficiencies.~~

7 ~~(l) Appliance Efficiencies.~~

8 ~~(m) Power Equipment/Motor Efficiency.~~

9 ~~(n) Peak Load Shaving.~~

10 ~~(o) Water Heating.~~

11 ~~(p) Refrigeration Equipment.~~

12 ~~(q) Freezing Equipment.~~

13 ~~(r) Solar Energy and Renewable Energy Sources.~~

14 ~~(s) Renewable/Natural Gas substitutes for electricity.~~

15 ~~(t) High Thermal Efficient Self Service Cogeneration.~~

16 ~~(u) Other.~~

17 (4) Within 90 days of a final order establishing or modifying goals, each utility must
18 file its demand-side management plan that includes the programs to meet the approved goals,

19 along with program administrative standards that include a statement of the policies and

20 procedures detailing the operation and administration of each program. **Each utility must also**

21 **consider strategies to mitigate excessive free ridership during program planning.** ~~or such~~

22 longer period as approved by the Commission, each utility shall submit for Commission

22

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

- 1 ~~approval a demand-side management plan designed to meet the utility's approved goals. The~~
2 following information ~~must~~ shall be ~~filed~~ submitted for each demand-side management
3 program included in the utility's demand-side management plan for a ten-year projected
4 horizon period:
- 5 (a) The program name;
 - 6 (b) The program start date;
 - 7 ~~(c) A statement of the policies and procedures detailing the operation and~~
8 ~~administration of the program;~~
 - 9 ~~(c)~~ (d) The total number of customers₂ or other appropriate unit of measure₂ in each
10 ~~class of~~ customer segment (i.e. residential, low income, commercial, industrial, etc.) for each
11 calendar year in the planning horizon;
 - 12 ~~(d)~~ (e) The total number of eligible customers₂ or other appropriate unit of measure₂ in
13 each ~~class of~~ customers-segment (i.e., residential, low income, commercial, industrial, etc.) for
14 each calendar year in the planning horizon;
 - 15 ~~(e)~~ (f) An estimate of the annual number of customers₂ or other appropriate unit of
16 measure₂ in each class of customers projected to participate in the program for each calendar
17 year of the planning horizon, including a description of how the estimate was derived;
 - 18 ~~(f)~~ (g) The cumulative penetration levels of the program by calendar year calculated as
19 the percentage of projected cumulative participating customers₂ or appropriate unit of
20 measure₂ by year to the total customers eligible to participate in the program;
 - 21 ~~(g)~~ (h) Estimates on an appropriate unit of measure basis of the per customer and
22 program total annual KWH reduction, winter KW reduction, and summer KW reduction, both

22

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 at the customer meter and the generation level, attributable to the program. A summary of all
2 assumptions used in the estimates, and a list of measures within the program must ~~will~~ be
3 included;

4 (h) (i) A methodology for measuring actual KW kilowatt and KWH kilowatt-hour
5 savings achieved from each program, including a description of research design,
6 instrumentation, use of control groups, and other details sufficient to ensure that results are
7 valid;

8 (i) (j) An estimate of the cost-effectiveness of the program using the cost-effectiveness
9 tests required pursuant this Rule and to Rule 25-17.008, F.A.C. ~~If the Commission finds that a~~
10 ~~utility's conservation plan has not met or will not meet its goals, the Commission may require~~
11 ~~the utility to modify its proposed programs or adopt additional programs and submit its plans~~
12 ~~for approval.~~

13 (j) An estimate of the annual amount to be recovered through the energy conservation
14 cost recovery clause for each calendar year in the planning horizon.

15 (5) The Commission may, on its own motion or on a petition by a substantially
16 affected person or a utility, initiate a proceeding to review and, if appropriate, modify the
17 goals. All modifications of the approved goals, plans, and programs will be on a prospective
18 basis.

19 (6) (5) Each utility must ~~shall~~ submit an annual report no later than March 1 ~~of each~~
20 ~~year~~ summarizing its demand-side management plan and the total actual achieved results for
21 its approved demand-side management plan in the preceding calendar year. The report must
22 ~~shall~~ contain, ~~at a minimum,~~ a comparison of the achieved KW and KWH reductions with the

23

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

- 1 established Residential and Commercial/Industrial goals, and the following information for
- 2 each approved program:
- 3 (a) The name of the utility;
- 4 (b) The name of the program and program start date;
- 5 (c) The calendar year the report covers;
- 6 (d) The ~~The~~ total number of customers, or other appropriate unit of measure, by customer
- 7 class for each calendar year of the planning horizon;
- 8 (e) The ~~The~~ total number of customers, or other appropriate unit of measure, eligible to
- 9 participate in the program for each calendar year of the planning horizon;
- 10 (f) The ~~The~~ total number of customers, or other appropriate unit of measure, projected to
- 11 participate in the program for each calendar year of the planning horizon;
- 12 (g) The potential cumulative penetration level of the program to date calculated as the
- 13 percentage of projected participating customers to date to the total eligible customers in the
- 14 class;
- 15 (h) The actual number of program participants and the current cumulative number of
- 16 program participants;
- 17 (i) The actual cumulative penetration level of the program calculated as the percentage
- 18 of actual cumulative participating customers to the number of eligible customers in the class;
- 19 (j) A comparison of the actual cumulative penetration level of the program to the
- 20 potential cumulative penetration level of the program;
- 21 (k) A justification for any variances greater ~~larger~~ than 15% from ~~for~~ the annual goals
- 22 established by the Commission;

22

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 (l) Using on-going measurement and evaluation results the annual KWH reduction, the
2 winter KW reduction, and the summer KW reduction, both at the meter and the generation
3 level, per installation and program total, based on the utility's approved
4 measurement/evaluation plan;

5 (m) The per installation cost and the total program cost of the utility;

6 (n) The net benefits for measures installed during the reporting period, annualized over
7 the life of the program, as calculated by the following formula:

$$8 \text{ annual benefits} = B_{npv} \times d/[1 - (1+d)^{-n}]$$

9 where

10 B_{npv} = cumulative present value of the net benefits over the life of the program for measures
11 installed during the reporting period.

12 D = discount rate (utility's after tax cost of capital).

13 N = life of the program.

14 *Rulemaking Authority 350.127(2), 366.05(1), ~~366.82(1)-(4)~~ FS. Law Implemented 366.82(1)-*

15 *~~(4)~~ FS. History—New 4-30-93, Amended*

16

17

18

19

20

21

22

23

ATTACHMENT F

Rule 25-17.0021, F.A.C. Proposed Revisions in Docket No. 20200181-EU by
Southern Alliance for Clean Energy

1 **25-17.0021 Goals for Electric Utilities.**

2 (1) The Commission ~~will shall~~ initiate a proceeding at least once every five years to
3 ~~establish numerical goals for each affected electric utility, as defined by Section 366.82(1)(a),~~
4 ~~F.S., to reduce the growth rates of weather sensitive peak demand, to reduce and control the~~
5 ~~growth rates of electric consumption, and to increase the conservation of expensive resources,~~
6 ~~such as petroleum fuels. The Commission will set annual Overall Residential kilowatt (KW)~~
7 ~~and kilowatt-hour (KWH) goals and annual overall Commercial/Industrial KW and KWH~~
8 ~~goals shall be set by the Commission for each year over a ten-year period. The goals, will shall~~
9 ~~be based on:~~

10 (a) An assessment of the technical potential of available measures; and

11 (b) aAn estimate of the total cost-effective KW kilowatt and KWH kilowatt-hour
12 savings reasonably achievable through demand-side management programs in each utility's
13 service area over a ten-year period. The Commission may give consideration to balancing the
14 level of cost-effective demand side management goals with their potential effects on customer
15 rates and bills; and

16 (c) Discrete KW and KWH savings for Low Income Customers provided through
17 income qualified demand-side management programs in each utility's service area over a ten-
18 year period. These savings goals shall be proportionate to the population of Low Income
19 customers within the utility's service area. For the purposes of this Rule, the term "Low
20 Income Customer" means households earning at or below two hundred percent (200%) of the
21 Federal Poverty Level, as determined annually by the United States Department of Health and
22 Human Services. "Income qualified" demand-side management programs are those programs
23 which are designed to serve Low Income Customers.

24 (d) In addition to the numeric goals above, the Commission may give consideration to
25 other goals.

1 (2) Pursuant to the schedule in an order establishing procedure in the proceeding to
2 establish demand-side management goals, each utility must file a technical potential study.
3 ~~The Commission shall set goals for each utility at least once every five years.~~ The technical
4 potential study must be used to develop the proposed demand-side management goals, and it
5 must assess the full technical potential of all available demand-side conservation and
6 efficiency measures, including demand-side renewable energy systems, associated with each
7 of the following market segments and major end-use categories.

8 Residential Market Segment:

9 (Existing Homes and New Construction should be separately evaluated) Major End-Use

10 Category

- 11 (a) Building Envelope Efficiencies.
12 (b) Cooling and Heating Efficiencies.
13 (c) Water Heating Systems.
14 (d) Lighting Efficiencies.
15 (e) Appliance Efficiencies.
16 (f) Peak Load Shaving.
17 (g) Solar Energy and Renewable Energy Sources.
18 (h) Efficient Electricity Substitutes for Natural Gas.
19 (i) Other.

20 Commercial/Industrial Market Segment:

21 (Existing Facilities and New Construction should be separately evaluated) Major End-Use

22 Category

- 23 (~~h~~) Building Envelope Efficiencies.
24 (~~ik~~) Cooling and Heating Efficiencies.
25 (~~j~~) Lighting Efficiencies.

- 1 ~~(km)~~ Appliance Efficiencies.
- 2 ~~(ln)~~ Power Equipment/Motor Efficiency.
- 3 ~~(mo)~~ Peak Load Shaving.
- 4 ~~(np)~~ Water Heating Systems.
- 5 ~~(oq)~~ Refrigeration/Freezing Equipment.
- 6 ~~(pr)~~ Solar Energy and Renewable Energy Sources.
- 7 ~~(s)~~ Efficient Electricity Substitutes for Natural Gas.
- 8 ~~(qt)~~ High Thermal Efficient Self Service Cogeneration.
- 9 ~~(u)~~ Other.

10 Each utility's filing must describe how the technical potential study was used to develop the
11 goals filed pursuant to subsection (3) below, including identification of measures that were
12 analyzed but excluded from consideration ~~from the technical potential study and any~~
13 subsequent economic and achievable potential studies. ~~The Commission on its own motion or~~
14 ~~petition by a substantially affected person or a utility may initiate a proceeding to review and,~~
15 ~~if appropriate, modify the goals. All modifications of the approved goals, plans and programs~~
16 ~~shall only be on a prospective basis.~~

17 (3) Pursuant to the schedule in an order establishing procedure in the proceeding to
18 establish demand-side management goals, each utility must file its proposed demand-side
19 management goals. ~~In a proceeding to establish or modify goals, each utility shall propose~~
20 ~~numerical goals for the ten year period and provide ten year projections, based upon the~~
21 ~~utility's most recent planning process, of the total, cost-effective, winter and summer peak~~
22 ~~demand (KW) and annual energy (KWH) savings reasonably achievable in the residential and~~
23 ~~commercial/industrial classes through demand-side management.~~ Each utility must also file
24 demand-side management goals developed under two scenarios: ~~one scenario that includes~~
25 potential demand-side management programs that pass the Participant and Rate Impact

1 ~~Measure Tests, and~~ one scenario that includes potential demand-side management programs
2 that pass the Participant and Total Resource Cost Tests, and one scenario that includes
3 potential demand-side management programs that pass the Participant and the Utility Cost
4 Tests, as these terms are used in Rule 25-17.008, F.A.C., with the Utility Cost Test determined
5 using the Rate Impact Measure test, but not including lost revenues from reduced sales as a
6 cost. Each utility must provide a transparent estimate of quantified effects for each goal
7 scenario it submits, including total utility system benefits, average bill savings associated with
8 decreased energy use, rate effects, and bill impacts. Each utility's goal projections must be
9 based on ~~informed by~~ the utility's most recent planning process and must ~~shall~~ reflect the
10 annual KW and KWH savings, over a ten-year period, from potential demand-side
11 management programs with consideration of overlapping measures, rebound effects, free
12 riders, interactions with building codes and appliance efficiency standards, and the utility's
13 latest monitoring and evaluation of conservation programs and measures. In addition, for each
14 potential demand-side management program identified in the proposed goals and in each
15 scenario described above, each utility must provide overall estimated annual program costs
16 over a ten-year period. Consideration of overlapping measures, rebound effects, free riders,
17 interactions with building codes and appliance efficiency standards must be based on a
18 transparent, evidence-based methodology that is consistent with industry standard practices,
19 and must be accounted for within the utility's assumptions for naturally occurring energy
20 efficiency adoption outside of utility-administered programs. Free ridership screening shall not
21 be based on simple payback duration. Any program, or its measures, specifically designated
22 for Low Income Customers shall be excepted from standard cost-effectiveness requirements
23 and free ridership consideration. ~~Each utility's projections shall be based upon an assessment~~
24 ~~of, at a minimum, the following market segments and major end-use categories.~~

25 Residential Market Segment:

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

- 1 ~~(Existing Homes and New Construction should be separately evaluated)~~ Major End Use
- 2 ~~Category~~
- 3 ~~(a) Building Envelope Efficiencies.~~
- 4 ~~(b) Cooling and Heating Efficiencies.~~
- 5 ~~(c) Water Heating Systems.~~
- 6 ~~(d) Appliance Efficiencies.~~
- 7 ~~(e) Peakload Shaving.~~
- 8 ~~(f) Solar Energy and Renewable Energy Sources.~~
- 9 ~~(g) Renewable/Natural gas substitutes for electricity.~~
- 10 ~~(h) Other.~~
- 11 ~~Commercial/Industrial Market Segment:~~
- 12 ~~(Existing Facilities and New Construction should be separately evaluated)~~ Major End Use
- 13 ~~Category~~
- 14 ~~(i) Building Envelope Efficiencies.~~
- 15 ~~(j) HVAC Systems.~~
- 16 ~~(k) Lighting Efficiencies.~~
- 17 ~~(l) Appliance Efficiencies.~~
- 18 ~~(m) Power Equipment/Motor Efficiency.~~
- 19 ~~(n) Peak Load Shaving.~~
- 20 ~~(o) Water Heating.~~
- 21 ~~(p) Refrigeration Equipment.~~
- 22 ~~(q) Freezing Equipment.~~
- 23 ~~(r) Solar Energy and Renewable Energy Sources.~~
- 24 ~~(s) Renewable/Natural Gas substitutes for electricity.~~
- 25 ~~(t) High Thermal Efficient Self Service Cogeneration.~~

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

1 ~~(u) Other.~~

2 (4) Within 90 days of a final order establishing or modifying goals, each utility must
 3 file its demand-side management plan that includes the programs to meet the approved goals,
 4 along with program administrative standards that include a statement of the policies and
 5 procedures detailing the operation and administration of each program. ~~Each utility must also~~
 6 consider strategies to mitigate excessive free ridership during program planning. ~~or such~~
 7 ~~longer period as approved by the Commission, each utility shall submit for Commission~~
 8 ~~approval a demand-side management plan designed to meet the utility's approved goals. The~~
 9 ~~following information must shall be filed submitted~~ for each demand-side management
 10 program included in the utility's demand-side management plan for a ten-year projected
 11 horizon period:

12 (a) The program name;

13 (b) The program start date;

14 ~~(c) A statement of the policies and procedures detailing the operation and~~
 15 ~~administration of the program;~~

16 (c) ~~(d)~~ The total number of customers₂, or other appropriate unit of measure₂, in each
 17 ~~class of~~ customer segment (i.e. residential, low income, commercial, industrial, etc.) for each
 18 calendar year in the planning horizon;

19 ~~(d) (e)~~ The total number of eligible customers₂, or other appropriate unit of measure₂, in
 20 each ~~class of~~ customers-segment (i.e., residential, low income, commercial, industrial, etc.) for
 21 each calendar year in the planning horizon;

22 (e) ~~(f)~~ An estimate of the annual number of customers₂, or other appropriate unit of
 23 measure₂, in each class of customers projected to participate in the program for each calendar
 24 year of the planning horizon, including a description of how the estimate was derived;

25 ~~(f) (g)~~ The cumulative penetration levels of the program by calendar year calculated as

1 the percentage of projected cumulative participating customers, or appropriate unit of
2 measure, by year to the total customers eligible to participate in the program;

3 ~~(g)~~ ~~(h)~~ Estimates on an appropriate unit of measure basis of the per customer and
4 program total annual KWH reduction, winter KW reduction, and summer KW reduction, both
5 at the customer meter and the generation level, attributable to the program. A summary of all
6 assumptions used in the estimates, and a list of measures within the program must ~~will~~ be
7 included;

8 ~~(h)~~ ~~(i)~~ A methodology for measuring actual KW kilowatt and KWH kilowatt-hour
9 savings achieved from each program, including a description of research design,
10 instrumentation, use of control groups, and other details sufficient to ensure that results are
11 valid;

12 ~~(i)~~ ~~(j)~~ An estimate of the cost-effectiveness of the program using the cost-effectiveness
13 tests required pursuant this Rule and to Rule 25-17.008, F.A.C. ~~If the Commission finds that a~~
14 ~~utility's conservation plan has not met or will not meet its goals, the Commission may require~~
15 ~~the utility to modify its proposed programs or adopt additional programs and submit its plans~~
16 ~~for approval.~~

17 (j) An estimate of the annual amount to be recovered through the energy conservation
18 cost recovery clause for each calendar year in the planning horizon.

19 (5) The Commission may, on its own motion or on a petition by a substantially
20 affected person or a utility, initiate a proceeding to review and, if appropriate, modify the
21 goals. All modifications of the approved goals, plans, and programs will be on a prospective
22 basis.

23 ~~(6)~~ ~~(5)~~ Each utility must ~~shall~~ submit an annual report no later than March 1 ~~of each~~
24 ~~year~~ summarizing its demand-side management plan and the total actual achieved results for
25 its approved demand-side management plan in the preceding calendar year. The report must

- 1 ~~shall contain, at a minimum,~~ a comparison of the achieved KW and KWH reductions with the
2 established Residential and Commercial/Industrial goals, and the following information for
3 each approved program:
- 4 (a) The name of the utility;
 - 5 (b) The name of the program and program start date;
 - 6 (c) The calendar year the report covers;
 - 7 (d) The ~~total~~ number of customers, or other appropriate unit of measure, by customer
8 class for each calendar year of the planning horizon;
 - 9 (e) The ~~total~~ number of customers, or other appropriate unit of measure, eligible to
10 participate in the program for each calendar year of the planning horizon;
 - 11 (f) The ~~total~~ number of customers, or other appropriate unit of measure, projected to
12 participate in the program for each calendar year of the planning horizon;
 - 13 (g) The potential cumulative penetration level of the program to date calculated as the
14 percentage of projected participating customers to date to the total eligible customers in the
15 class;
 - 16 (h) The actual number of program participants and the current cumulative number of
17 program participants;
 - 18 (i) The actual cumulative penetration level of the program calculated as the percentage
19 of actual cumulative participating customers to the number of eligible customers in the class;
 - 20 (j) A comparison of the actual cumulative penetration level of the program to the
21 potential cumulative penetration level of the program;
 - 22 (k) A justification for any variances greater ~~larger~~ than 15% from ~~for~~ the annual goals
23 established by the Commission;
 - 24 (l) Using on-going measurement and evaluation results the annual KWH reduction, the
25 winter KW reduction, and the summer KW reduction, both at the meter and the generation

1 level, per installation and program total, based on the utility's approved
2 measurement/evaluation plan;

3 (m) The per installation cost and the total program cost of the utility;

4 (n) The net benefits for measures installed during the reporting period, annualized over
5 the life of the program, as calculated by the following formula:

6
$$\text{annual benefits} = B_{\text{npv}} \times d/[1 - (1+d)^{-n}]$$

7 where

8 B_{npv} = cumulative present value of the net benefits over the life of the program for measures
9 installed during the reporting period.

10 D = discount rate (utility's after tax cost of capital).

11 N = life of the program.

12 *Rulemaking Authority 350.127(2), 366.05(1), ~~366.82(1)-(4)~~ FS. Law Implemented 366.82(1)-*

13 *~~(4)~~ FS. History—New 4-30-93, Amended*

14

15

16

17

18

19

20

21

22

23

24

25

