



Davis-Monthan Air Force Base Alternative Energy Solutions Task Force

APRIL 1, 2008

LEGAL ACTION REPORT

1. Call to Order / Roll Call
2. Review of Minutes (**ACTION**)
Moved and seconded to approve the minutes as amended of the March 20, 2008 meeting. Motion passed 9-0.
3. Administrative
No action taken.
4. New Business
 - a. Final Report
 1. Motion made by Mike Block and seconded by Roger Watson to add a colon following the word, "staff:" and deleting the word, "from" in the second sentence, first paragraph of **1. Credits and Thanks.**, and to remove the name, Michael Tonney from the second paragraph. Motion passed 9-0.
 2. Motion made by Roger Watson and seconded by Mike Block to delete the word, "about" in the first sentence of the second paragraph of **1. Credits and Thanks;** passed 9-0.
 3. Motion made by Mike Block and seconded by Roger Watson to add the word, "13th" before **representative** in the third sentence of the first paragraph of Section 4. Background, **4A. Task Force Composition, Terms and Duty**, as well as the recommended track changes. Motion passed 9-0.
 4. Motion made by Roger Watson and seconded by Paul Huddy to add a sentence on, "how DM is doing." Edits began with "For further information . . ." Motion passed 9-0.
 5. Motion made by Roger Watson and seconded by Mike Block for City staff to compile a separate list of sources referenced in final document. Motion passed 9-0.

6. Motion made by Roger Watson and seconded by Sally Gestautas to approve Section 4B.3 as amended; passed 9-0.
7. Motion made by Roger Watson and seconded by Paul Huddy to approve Section 4B.4 as amended; passed 9-0.
8. Motion made by Roger Watson and seconded by Mike Block to approve Section 4B.5; passed 9-0.
9. Motion made by Art Fregoso and seconded by Roger Watson to delete the last paragraph of Section 4B.6 Drivers, beginning with “It is important to note that although this rate plan is in place at this point in time, . . .”; passed 8-2.
10. Motion made by Valerie Rauluk to accept proposed text on her revision statement beginning with, “In addition, with the recent passage of the Net Metering rule . . .”; passed 10-0 with the arrival of Steve Anderson at 9:15 a.m.
11. Motion made by Ursula Kramer and seconded by Mike Block to approve Section 4C; passed 10-0.
12. Motion made by Roger Watson and seconded by Mike Block to approve Section 5; amended to include the Greenhouse presentation as “Information Sharing” and include in the appendix. Passed 10-0.
13. Motion made by Roger Watson and seconded by Mike Block to eliminate Section 6A.9 (Hydrogen and Fuel Cells) of Section 6; passed 10-0.
14. Motion made by Roger Watson and seconded by Valerie Rauluk to discuss Section 6B (Solar Energy Technologies); amendment made to remove the Table 6B-1. Motion tabled.
15. Motion reopened for discussion. Roger Watson moved to update Table 6B-1 to include the two newest solar installations; seconded by Mike Block. Motion passed 9-1.
16. Motion made by Valerie Rauluk and seconded by Steve Anderson to approve the new language of the paragraph beginning with, “Currently, only a minor fraction of electricity is generated in Arizona . . .”; motion passed 10-1.
17. Motion made by Valerie Rauluk and seconded by Paul Huddy to delete the paragraph below Table 6B-1, following the numbered references and beginning with “All of the installations included in Table 6B-1 . . .”. Motion passed 8-0 with Mike Toriello and Art Fregoso abstaining.
18. Paul Huddy moved to substitute his revision statement under 6—Technologies beginning with (A) Solar Energy and place beneath 6B Solar Energy Technologies up to **(1) Photovoltaic Power (PV)** on his revision sheet; seconded by Valerie Rauluk. Motion passed 7-3.

19. Roger Watson moved that Paul Huddy provide references for this section; seconded by Ursula Kramer and passed 10-0.

Break at 11:30 a.m. and reconvened at 12:25 p.m. Quorum declared.

20. Paul Huddy moved to insert his revision statement, **(1) Photovoltaic Power (PV)** at the beginning of **6B.1 Solar Photovoltaic (Solar PV)** and delete the last sentence of his revision beginning with, “The USAF has substantial experience with PV systems in a wide range of applications. . . .”; seconded by Roger Watson and passed 9-0.
21. Motion made by Valerie Rauluk and seconded by Mike Block that the section in the paragraph beneath the three bullets that begins with, “Solar PV efficiency also declines with rising temperatures. . .” and the **Table 6B-2: World’s Largest PV Power Plants** be deleted unless the words, **(not comprehensive)**, are included in the heading of the table. The reference to Nellis Air Force Base is subject to review of the references. Passed 9-0.
22. Motion made by Valerie Rauluk to accept the wording on her revision sheet under Section **6B.1 Solar Photovoltaic (Solar PV)**, beginning with, “PV systems may be ground-mounted or roof-top mounted. PV systems . . .”. Roger Watson seconded the motion and motion passed 7-2.
23. Motion made by Valerie Rauluk to substitute her revision statements for the text beginning with “The PV systems listed in Tables 6B-1 and 6B-2 utilize . . .” beneath the heading, **6B.1 Solar Photovoltaic (Solar PV)** to the end of that section. Seconded by Paul Huddy and motion passed 8-1.
24. Motion made by Paul Huddy to substitute his revision section to **6B.2 Concentrating Solar Power (CSP)** and seconded by Roger Watson. Motion amended to deal only with the second paragraph of Huddy’s revision statement beginning with “In December of last year, a consortium of western utilities. . .”. Motion passed 4-1 (voice vote).
25. Motion made by Paul Huddy to insert his first revision statement beginning with “Most Concentrating Solar Power systems use mirrors to focus the sun’s heat to generate . . .” at the beginning of Section **6B.2 Concentrating Solar Power (CSP)**. Seconded by Roger Watson and motion passed 5-1 (voice vote).
26. Motion made by Art Fregoso to add, **(not a comprehensive list)** to **Table 6B-3**. Seconded by Steve Anderson and passed 8-1.

6C Waste to Energy Overview Section

27. Motion made by Roger Watson and seconded by Valerie Rauluk to consider WTE adoption; motion made and seconded to replace the new text beginning with “Traditionally, WTE has been used as a means of solid waste . . .” under 6C.1 WTE Uses, Facility Sizes, and Locations. Passed 9-0.

28. Val moved and Watson seconded to delete the entire section beginning with, "The City of Tucson (COT) has stated . . ." and the next paragraph up to "Most of the US WTE facilities were built . . ."; passed 4-2 (voice vote); Fregoso abstained.
29. Mike Block moved and Watson seconded to include the paragraph beginning with "Figure 6C-1 shows those states that have operating WTE facilities (incineration). . ." passing unanimously and then Block moving to not include the 2nd paragraph of Bowman's revision, beginning with "However, with the increasing cost of fossil fuels, WTE is also being seen not only as a waste solution . . ."; seconded by Huddy. Motion passed 9-1.
30. 6C.2 Fregoso moved to table the discussion of Val's motion to delete 6C.2 **WTE Recycling, and "Zero Waste"** from the beginning of that section to the final paragraph which reads, "EPA's Solid Waste Management Hierarchy was revised in December 2006, . . ."; seconded by Anderson; motion passed 5-3; Kramer abstained.
31. Valerie Rauluk moved to delete the entire 6C3 and 4 except for the first paragraph that discusses air quality control. Seconded by Roger Watson and motion failed as only two voted in favor.
32. Sally Gestautas moved to keep the reference to "in accordance with the Clear Air Act" in Section 6C.3; seconded by Ursula Kramer and passed 9-0.
33. Paul Huddy moved to reformat 6C in the same manner as 6B; seconded by Ursula Kramer. This would mean putting back the text Valerie wanted struck into the "Incineration" section. The remaining sections of 6C.3 under 6C.5 and Bowman's revision 6C.3, priority 2 were discussed. Toriello moved and Roger seconded to insert Bowman's priority 2, 6C.3. Passed 8-1.
34. See Block's comment, beginning with, "The most recent U.S. inventory of dioxin-like compounds. . ." (page 11 of 4/2/08 draft). Motion made by Ursula Kramer and seconded by Roger Watson to add the changed wording, "but it is not allowed in Pima County." Passed 8-0. (Valerie Rauluk was out of the room.)
35. Under 6C.4, Incineration, Roger Watson moved to delete the second part of the 2nd bullet beginning with, "CO₂ from "natural sources" under the heading of Greenhouse Gas Emissions does not count towards . . ."; seconded by Ursula Kramer and passed 8-0 (Valerie Rauluk was out of the room.).
36. Steve Anderson moved to delete the first sentence of the paragraph following the three bulleted items beginning with, "Because of the avoided CO₂ emissions (as detailed above), WTE has "net negative" green house gas emissions." Seconded by Ursula Kramer and passed 9-0.
37. Paul Huddy moved to eliminate Figure 6C-6, Net Global Climate Change Emissions by Scenario at the end of 6C.3 WTE, Air Pollution Control Equipment, Emissions, and Greenhouse Gases, Greenhouse Gas Emissions. Seconded by

Valerie Rauluk. Amended to keep the first two sentences of the second bullet under WTE facilities help to reduce greenhouse gas emissions by:, beginning with “Avoiding the CO2 emissions from fossil fuel combustion. . . .”; passed 8-2.

38. Valerie Rauluk moved to add the following sentence to the first paragraph under Greenhouse Gas Emissions. Said paragraph begins with “In September 2006, EPA issues the 3rd edition of . . .” *“The WTE process does create some GHG emissions but the emissions may be reduced as noted below.”* Seconded by Steve Anderson and passed unanimously.
 39. Motion made by Valerie Rauluk to remove the entire 6C.4 WTE, Land Use, and Appearance section; seconded by Paul Huddy. Motion passed 8-1.
 40. Mike Toriello moved to make the change on M. Bowman’s 6C6, page 14, priority 5 revision; seconded by Roger Watson. A roll call vote was taken twice and both times the result was a tie. Motion failed.
 41. Valerie Rauluk moved to limit minority reports to five pages per task force member; seconded by Roger Watson. Motion passed 9-0.
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Tabled items:

- a. 6C.2 Fregoso moved to table the discussion of Val’s motion to delete 6C.2 **WTE Recycling, and “Zero Waste”** from the beginning of that section to the final paragraph which reads, “EPA’s Solid Waste Management Hierarchy was revised in December 2006, . . .”; seconded by Anderson; motion passed 5-3; Ursula Kramer abstained.
 - b. Mike Toriello moved to table Paul Huddy’s Waste to Energy (WTE) revisions due to lack of references and strong language; seconded by Mike Block. Passed 9-0.
 - c. Motion made by Paul Huddy to include incineration, gasification, and plasma arc as the introductory sections to those technologies (per Huddy’s revision statement 6C and 6C.2); seconded by Roger Watson. Discussion. Paul Huddy moved to table this discussion; seconded by Roger Watson and passed 9-0.
5. Call to the Audience
 6. Agenda Items for Next Meeting and Adjournment
Meeting adjourned at 5:00 p.m.