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DOCKET
06-AFC-6
DATE NOV 19 2007
RECD. NOV 19 2007

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STATE OF CALIFORNIA
State Energy Resources
Conservation and Development Commission

In the Matter of:	Docket No. 06-AFC-06
Application for Certification For the Eastshore Energy Center	**JOINT PETITION TO INTERVENE BY CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT AND CHABOT-LAS POSITAS FACULTY ASSOCIATION AS AGENCIES** Date: November 26, 2007 Time: 2:00 p.m. CEC: Jeffrey D. Byron Commissioner and Presiding Member

1. The following agencies hereby petition to intervene in the above-captioned proceeding:

a. Chabot-Las Positas Community College District ("District"); and

b. Chabot-Las Positas Faculty Association ("Faculty Association").

The District and Faculty Association are collectively referred to hereinafter as "Chabot Intervenors".

2. Petitioner District will be represented in this proceeding by:

Laura Schulkind, Esq.
Maiya Yang, Esq.
Liebert Cassidy Whitmore
153 Townsend Street, Suite 520
San Francisco, CA 94107
(415) 512-3000
(415) 856-0306 FAX

3. Petitioner Faculty Association will be represented in this proceeding by:

Charlotte Lofft, President
Susan Sperling, Grievance Officer
Chabot-Las Positas Faculty Association
25555 Hesperian Blvd.
Hayward, CA 94545
(510) 723-6873

4. The Chabot Intervenors are not members of a group or organization already a party to this proceeding.

5. The Chabot Intervenors have interests in this proceeding that are articulated in the attached Memorandum of Points and Authorities.

6. The Chabot Intervenors understand that they will receive all relevant documents in this proceeding and that they will be responsible for supplying other parties with information and documents properly requested, as well as complying with Orders of the presiding Committee.

7. The Chabot Intervenors certify that they have served a copy of this Petition upon the Applicant's attorney of record in this proceeding.

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STATE OF CALIFORNIA
State Energy Resources
Conservation and Development Commission

In the Matter of:	Docket No. 06-AFC-06
Application for Certification For the Eastshore Energy Center	**MEMORANDUM OF POINTS AND AUTHORITIES IN SUPPORT OF JOINT PETITION TO INTERVENE OF CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT AND CHABOT-LAS POSITAS FACULTY ASSOCIATION** Date: November 26, 2007 Time: 2:00 p.m. CEC: Jeffrey D. Byron Commissioner and Presiding Member

Chabot-Las Positas Community College District ("District") and Chabot-Las Positas Faculty Association ("Association"), collectively referred to hereinafter as "Chabot Intervenors",

hereby petition to intervene in this proceeding pursuant to Title 20, California Code of Regulations, sections 1207 and 1712. In anticipation of this Petition being granted, this Petition to Intervene is filed concurrently with their Pre-Hearing Conference Statement.

I.
BACKGROUND

The Chabot-Las Positas Community College District is a part of California's public community college system. (Cal. Education Code § 66700.) The District governs two community colleges, one of which is Chabot College. Chabot College is located at 25555 Hesparian Boulevard in Hayward, California, and is within 3 miles of the Russell City Energy Center, a power plant that the Commission recently approved. (Decl. of J. Kinnamon, ¶ 3.) It is also within 3 miles of the proposed siting for the Eastshore Energy Center, which is the subject of this proceeding. (Decl. of J. Kinnamon, ¶ 3.)

The Association is the exclusive bargaining representative for the academic employees of the District. This representation includes over 500 faculty employed on the Chabot campus. (Decl. of S. Sperling, ¶2.)

Chabot College serves approximately 15,000 students on a daily basis—4,000 of whom are full-time and 11,000 of whom are part-time. (Decl. of J. Kinnamon, ¶6.) This student population represents approximately one quarter of the high school graduates in its service area. Further, many of Chabot College's facilities serve not only its students, but the community at large. (Decl. of J. Kinnamon, ¶6-8.) For example, the Performing Arts Center hosts both student and community presentations; the athletic fields and sports facilities are utilized by local teams of young boys and girls; and the Children's Center provides day care services to infants and toddlers. (Decl. of J. Kinnamon, ¶6.) The District also employs approximately 600 academic and classified staff at its Chabot campus. (Decl. of J. Kinnamon, ¶6.) Thus, through its educational and community services, Chabot College impacts, to some extent, nearly every household in its service area. (Decl. of J. Kinnamon, ¶6.)

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II.

THE PARTICIPATION OF THE CHABOT INTERVENORS IS REASONABLE AND RELEVANT, AND THEREFORE, THEY SHOULD BE GRANTED LEAVE TO INTERVENE IN THIS PROCEEDING.

A. Standard Applicable to Petition to Intervene.

Section 1712 of the California Code of Regulations provides that "[a]ny person may petition to intervene pursuant to Section 1207 of these regulations." (Title 20, Cal. Code of Regulations § 1712(a).) Section 1207, subdivision (a), provides:

Any person may file with the Docket Unit or the presiding committee member a petition to intervene in any proceeding. The petition shall set forth the grounds for the intervention, the position and interest of the petitioner in the proceeding, the extent to which the petitioner desires to participate in the proceedings, and the name, address, and telephone number of the petitioner."

According to the Commission's Notice of Prehearing Conference and Evidentiary Hearing Dates, a petition to intervene in this proceeding must be filed by November 19, 2007. As such, this Petition is timely. On a timely filed petition to intervene, "[t[he presiding member may grant leave to intervene to any petitioner to the extent he deems reasonable and relevant. . . ." (Title 20, Cal. Code of Regulations § 1207(c).) As set forth below, the participation of Chabot Intervenors is reasonable and relevant.

B. Grounds for Intervention; Position and Interest of Chabot Intervenors.

1. The District's historic role as an educational and economic leader in the region demonstrates the clear interests of the Chabot Intervenors

The District is a public agency that plays a significant educational and economic role in the community that will be most greatly impacted by the Eastshore Energy Center proposed site. (Decl. of J. Kinnamon, ¶¶ 2-7.) The District, its faculty and staff, have been serving Alameda County residents for over 50 years. They prepare students to succeed in their education, progress in the workplace, and engage in the civic and cultural life of the global community, as well as

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respond to the educational needs of the local population and economy. (Decl of J. Kinnamon, ¶ 6.)

In addition, the Chabot Campus serves the wider community by opening its campus to a range of cultural, sports and community activities. Chabot College operates on a 94-acre campus which includes multiple buildings for classrooms, laboratories, a cafeteria, administrative and student services offices, a bookstore, a Learning Resource Center, a 1,432-seat Performing Arts Center, a television studio, a radio station, planetarium, art gallery, and gymnasium. (Decl. of J. Kinnamon, ¶ 4.) The college also uses a significant amount of outdoor space including walkways, open spaces, parks, playground areas and athletic fields. Id. Many of these campus facilities serve not only students, but the community at large. For example, the Performing Arts Center hosts both student and community presentations; local teams use the athletic fields and sports facilities, and the Children's Center provides day care services to infants and toddlers. Id. Additionally, the community colleges of California are each mandated to create and maintain a "civic center" where: "the citizens, Camp Fire Girls, Boy Scout troops, farmers' organizations, school-community advisory councils, senior citizens' organizations, clubs, and associations" may meet. California Education Code § 82537. Thus, Chabot is an open campus that attracts thousands of community members to its site.

In short, Chabot college serves as an educational leader, contributing its resources to the intellectual, cultural, physical, and economic vitality of the region. Id. Not surprisingly, with thousands of community members coming to the Chabot campus daily for education, employment and community activities, the Chabot Intervenors are deeply concerned with how the placement of a second power plant—less than three miles away—will impact the Chabot educational and work environments. (Decl. of J. Kinnamon, ¶¶ 3-10; Decl. of S. Sperling, ¶¶ 3-5.)

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2. The duties and obligations of the Chabot Intervenors further demonstrate their legitimate interest in this proceeding

It is the District's legal duty to create and maintain a safe college campus—which includes an environmentally safe campus—for its students, employees and members of the public. (See, e.g., Labor Code §§ 6300 et seq.; Health & Safety Code §§ 105400-105430; Public Resources Code §§ 21157-21157.7.) The Chabot campus serves thousands of community residents on a daily basis. As noted above, the Chabot student population, alone, is approximately 15,000 students and Chabot also has approximately 600 employees. Id. In particular, the District notes that it is required by law to recruit, accommodate, and create a safe environment for disabled students and staff. 29 U.S.C. §700 et seq.; 34 C.F.R. §100 et seq.; California Government Code, § 12940 et seq.; Title 5 California Code of Regulations, § 53025(a). Consistent with these duties, the college provides on the Chabot site both a Disabled Student Resource Center, and a Health Center. See Chabot College Master Plan at 93. The District's legal obligations toward its staff, students and community members give it a genuine interest in the siting of this power plan. The Faculty Association is also committed to the workplace health and safety of its membership, as well as of students attending Chabot College. (Decl. of S. Sperling ¶4.) Thus, the duties and responsibilities of Chabot Intervenors also demonstrate their interest in this proceeding.

In particular, Chabot Intervenors note that, consistent with the District's leadership role in the community, District Board Policy No. 2312 provides: "It is the policy of the Board of Trustees to take an active interest in the development of the areas surrounding the College campuses of the District." Thus, the Chabot Intervenors have interests in, and concerns regarding, the impacts of the proposed project, as well as the cumulative impacts of this project the recently-approved Russell City Energy Center, on Chabot College, its students and staff.

Further, consistent with Board Policy 2312 and in support of its duty to maintain a safe environment, one of Chabot's core values (as reflected in the Master Plan which it is statutorily required to maintain) is creating a safe campus. (Decl. of J. Kinnamon, ¶ 5; Chabot College Master Plan 2005-2015 (2005) at p. 11; California Education Code § 70901(b); Title 5, California Code of Regulations §51008.) Additionally, the College and District have signed onto the American College and Universities Presidents' commitment to developing the internal infrastructure and planning to become climate neutral as soon as possible. (Decl. of J. Kinnamon, ¶ 5.) Thus, Chabot Intervenors have a strong interest in local projects with the potential to thwart their obligations to their students, employees and members.

3. Chabot Intervenors' interest in, and unique contribution to, these proceedings is further demonstrated by the failure of the FSA to anywhere consider the impacts of the Eastshore project on the Chabot campus

The interests outlined above are sufficient to entitle Chabot Intervenors party status in this proceeding. Nevertheless, Chabot Intervenors further note that their interests are even greater because their concerns have not been fully addressed by Commission staff. Indeed, the Final Staff Assessment ("FSA") for the Eastshore Energy Center, nowhere even *mentions* the Chabot-Las Positas Community College District, and thus does not consider either the individual or cumulative impacts of this and other projects as they pertain to Chabot College, its educational environment, or the health and safety of the college community.

For example, despite Chabot College's approximately 15,000 students and 600 employees, the FSA's impact analysis on schools makes no mention of the socioeconomic impacts of the proposed Eastshore Energy Center on Chabot College. The FSA concluded, without any evidence from the Chabot Intervenors, that "the construction and operation of the Eastshore facility would not cause a significant direct or cumulative adverse socioeconomic

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impact on the study area's housing, *schools*, parks and recreation, law enforcement, emergency services, and hospitals." (FSA 4.8-14; 7-2, italics added.) Evidence from the Chabot Intervenors is relevant before the Commission makes any decision regarding the impacts of the proposed Eastshore Energy Center on schools in the surrounding areas.

Moreover, in the Final Staff Assessment, Commission staff stated that it

> "has identified significant adverse direct and cumulative impacts to Traffic and Transportation. However, the issues of sufficient aircraft maneuverability and land use compatibility affect all people, regardless of ethnicity or income level. Therefore, the construction and operation of the Eastshore project, although identified as having a significant environmental impact, is not considered to have a disproportional impact on an environmental justice population." (P. 7-2.)

However, this conclusion was reached without analyzing potential impacts on the Chabot community, which is alarming given the demographics of the Chabot campus. Community colleges generally—and Chabot College specifically—serve historically disenfranchised populations. Chabot's student body is "majority-minority," with 75% of the students from race-ethnicity groups other than non-Hispanic single-race whites. (Decl. of J. Kinnamon, ¶ 9.) The student population is 14% African American, 18% Asian American, 9% Filipino, 22% Latino, and 25% white, with the remaining population either unknown or comprised of other heritage groups. Id. Over one third of the students are in the first generation of their family to attend college. Id. Further, students attending Chabot struggle financially, with 57% of students reporting low, or very low, household income levels based on federal poverty rate guidelines. Id. Given these demographics, failure to consider this population in the FSA's environmental justice analysis gives the Chabot Intervenors an even greater interest in intervening and contributing to these proceedings.

C. Extent to Which Chabot Intervenors Desire to Participate in this Proceeding.

The Chabot Intervenors intend to participate in every phase of this proceeding, including conducting discovery as permitted by applicable laws, presenting witnesses and evidence, and cross-examining witnesses of the applicant, the Commission, and other parties, with respect to the

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following: 1) the cumulative air quality, traffic and health effects of the Eastshore Energy Center and Russell City Energy Center projects; 2) the individual and cumulative socioeconomic impacts of these projects on the District and its educational environment, students, faculty, and staff; and 3) the individual and cumulative environmental justice impacts of these projects.

If granted leave to intervene, the Chabot Intervenors anticipate being able to provide evidence regarding:

1. Chabot College presents a site with a high concentration of individuals within 3 miles of the proposed Eastshore Energy Center site;

2. Chabot College presents a site with a high concentration of individuals from traditionally disenfranchised groups, relevant to economic justice screening and analysis;

3. Placement of the plant at the proposed site would likely negatively impact the health and welfare of Chabot College students, staff, and community members.

4. Placement of the plant at the proposed site would likely negatively impact Chabot College's student and staff recruitment efforts, and thus, its educational and economic contributions to the community; and

5. Placement of the plant at the proposed site is contrary to the goals and values of Chabot College and the District, as set out in Chabot College's Master Plan.

(Decl. of J.. Kinnamon, ¶11; Decl. of S. Sperling, ¶5.)

Evidence regarding the above will provide additional information that will contribute to creating a record upon which the Commission may make an informed decision whether to approve the proposed Eastshore Energy Center project.

D. Name, Address, and Telephone Number of Chabot Intervenors.

Chabot-Las Positas Community College District
5020 Franklin Drive
Pleasanton, CA 94588
(925) 485-5215

Chabot-Las Positas Faculty Association
25555 Hesperian Blvd.

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III.

CONCLUSION

Based on the foregoing, the participation of the Chabot Intervenors is reasonable and relevant. Therefore, the Chabot Intervenors should be granted leave to intervene in this proceeding.

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Dated: November 17, 2007

Liebert Cassidy Whitmore

By: _____
Laura Schulkind
Attorneys for Intervenor
Chabot-Los Positas Community College District

Dated: November 18, 2007

Chabot-Las Positas Faculty Association

By: _____
Dr. Susan Sperling
Representative for Intervenor
Chabot-Las Positas Faculty Association

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STATE OF CALIFORNIA
State Energy Resources
Conservation and Development Commission

In the Matter of:	Docket No. 06-AFC-06
Application for Certification For the Eastshore Energy Center	**DECLARATION OF CHANCELLOR JOEL L. KINNAMON IN SUPPORT OF JOINT PETITION OF CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT AND CHABOT-LAS POSITAS FACULTY ASSOCIATION**

I, Joel L. Kinnamon, declare as follows:

1. I am the Chancellor of the Chabot-Las Positas Community College District

("District"), which seeks to intervene in this proceeding. I make this declaration in that capacity, and if called upon to testify, I could and would competently testify to the following facts from my own personal knowledge or from knowledge obtained through a review of original and true and correct copies of documents.

2. The District has been providing education and employment opportunities to Bay Area residents for over 44 years. The District has deep ties to, and a strong interest in, the well-being of the community it serves. Currently, the District governs two community colleges in Alameda County, Las Positas College located in Livermore and Chabot College located at 25555 Hesperian Boulevard in Hayward.

3. I am informed and believe that Chabot College is located less than 3 miles from the proposed site for the Eastshore Energy Center. Within 3 miles of Chabot College is a second power plant, the Russell City Energy Center, which the Commission approved on September 26, 2007, approving the construction of that power plant.

4. Chabot College operates on a 94-acre campus. The Campus includes multiple buildings for classrooms, laboratories, a cafeteria, administrative and student services offices, a bookstore, a Learning Resource Center, a 1,432-seat Performing Arts Center, a television studio, a radio station, planetarium, art gallery, and gymnasium. Chabot College also utilizes a significant amount of outdoor space including walkways, open spaces, parks, playground areas, and athletic fields.

5. As stated in Chabot College's Master Plan, one of our core values is the creation and maintenance of a safe college campus. Consistent with that core value, Chabot College and the District have signed onto American College and Universities Presidents commitment to create environmentally responsible campuses. Specifically, the District and Chabot College have committed to developing the internal infrastructure and planning to become climate neutral as soon as possible.

6. Chabot College serves thousands of community residents on a daily basis. The Chabot College student population, alone, is approximately 15,000 (4,000 full-time and 11,000 part-time). Indeed, Chabot College serves about one quarter of the high school graduates in its

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service area and impacts, to some extent, nearly every household. Further, many of Chabot College's facilities serve not only its students, but the community at large. For example, the Performing Arts Center hosts both student and community presentations; our athletic fields and sports facilities are utilized by local teams of young boys and girls; and our Children's Center provides day care services to infants and toddlers. Last but not least, Chabot College has approximately 600 employees.

7. Chabot College plays a significant educational and economic role in the community. Chabot College is a public, comprehensive community college that prepares students to succeed in their education, progress in the workplace, and engage in the civic and cultural life of the global community. Chabot College furthers student learning and responds to the educational needs of our local population and economy. It also serves as an educational leader, contributing its resources to the intellectual, cultural, physical, and economic vitality of the region. Chabot College further provides opportunities for intellectual enrichment and physical well-being of all community members who can benefit.

8. In 2003, the District contracted with an outside company to analyze the economic impact of Chabot College on its local service area, the state, and its students. CCbenefits, Inc., using a comprehensive economic mode, made four key conclusions:

a. Chabot College stimulates the regional economy;

b. Chabot College leverages taxpayer dollars for social benefits;

c. Chabot College generates a return on government investment; and

d. Chabot College increases individuals' earning potential.

9. Community colleges generally—and Chabot College specifically—serve historically disenfranchised populations. Chabot College's student body is "majority-minority," with 75% of the students from race-ethnicity groups other than non-Hispanic single-race whites. The student population is 14% African American, 18% Asian American, 9% Filipino, 22% Latino, and 25% white, with the remaining population either unknown or comprised of other heritage groups. Over one third of the students attending Chabot College are in the first generation of their families to attend college. Further, students attending Chabot College struggle

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financially, with 57% of our students reporting household income levels of low or very low, based on federal poverty rate guidelines. Given these demographics, not allowing the District to participate in this proceeding will not only deprive the District, as a local governmental agency, the right and opportunity to be heard; it will also deprive a largely non-white and impoverished community an important voice in this proceeding—through their local community college district.

10. Based upon my review of information, it is my belief that:

a. Chabot College presents a site with a high concentration of individuals within 3 miles of the proposed Eastshore Energy Center site;

b. Chabot College is in the area identified as most highly impacted by the proposed Eastshore Energy Center siting;

c. Placement of the plant at the proposed site would likely negatively impact the health and welfare of Chabot College students, staff and community members;

d. Placement of the plant at the proposed site would likely negatively impact Chabot College's student and staff recruitment efforts, and thus, its educational and economic contributions to the community; and

e. Placement of the plant at the proposed site is contrary to the goals and values of Chabot College and the District, as set out in Chabot College's Master Plan.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration was executed on November 16, 2007 at Hayward, California.

Joel L. Kinnamon, Ed.D.
Chancellor

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STATE OF CALIFORNIA
State Energy Resources
Conservation and Development Commission

In the Matter of:	Docket No. 06-AFC-06
Application for Certification For the Eastshore Energy Center	**DECLARATION OF SUSAN SPERLING IN SUPPORT OF JOINT PETITION OF CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT AND CHABOT-LAS POSITAS FACULTY ASSOCIATION**

I, Susan Sperling, declare as follows:

1. I am the Grievance Officer of Chabot-Las Positas Faculty Association ("Faculty Association"), which seeks to intervene in this proceeding. I make this declaration in that capacity, and if called upon to testify, I could and would competently testify to the following facts

from my own personal knowledge or from knowledge obtained through a review of original and true and correct copies of documents.

2. The Faculty Association represents in collective bargaining over 500 faculty employed with Chabot College, one of two campuses governed by the Chabot-Las Positas Community College District ("District").

3. I am informed and believe that Chabot College is located less than 3 miles from the proposed site for the Eastshore Energy Center. Within 3 miles of Chabot College is a second power plant, the Russell City Energy Center, which the Commission issued its final decision on September 26, 2007, approving the construction of that power plant.

4. The Faculty Association is committed to workplace health and safety of its membership as well as of students attending Chabot College. It is concerned about the potential cumulative impact of the proposed siting of the Eastshore Energy Center, which will be the second power plant constructed within three-miles of Chabot College.

5. Based upon the limited review of information I have been able to conduct at this point, it is my belief that, given the opportunity to analyze the data and provide appropriate input on this issue, the Faculty Association would be able to offer evidence that:

a. Chabot College presents a site with a high concentration of individuals within 3 miles of the proposed Eastshore Energy Center site;

b. Chabot College is in the area identified as most highly impacted by the proposed Eastshore Energy Center siting;

c. Placement of the Eastshore Energy Center at the proposed site would likely negatively impact the health and welfare of Chabot College students, staff and community members; and

d. Placement of the Eastshore Energy Center at the proposed site would likely negatively impact Chabot College's staff recruitment efforts, and thus, its educational and economic contributions to the community.

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I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration was executed on November 18, 2007 at Hayward, California.

Susan Sperling
Grievance Officer

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STATE OF CALIFORNIA
State Energy Resources
Conservation and Development Commission

In the Matter of:	Docket No. 06-AFC-06
Application for Certification For the Eastshore Energy Center ,	**PRE-HEARING CONFERENCE STATEMENT** Date: November 26, 2007 Time: 2:00 p.m. CEC: Jeffrey D. Byron Commissioner and Presiding Member

The Chabot-Los Positas Community College District and Chabot-Las Positas Faculty Association (hereinafter "Chabot Intervenors") hereby submit their Pre-Hearing Conference Statement.

1. Stipulations of Fact and Law ☐ are ☑ are not attached.
2. Issue and Witness Identification Form ☑ is ☐ is not attached.

PREHEARING CONFERENCE STATEMENT

As set forth in Chabot Intervenors' Petition to Intervene, the Chabot-Las Positas Community College District ("District") and Chabot-Las Positas Faculty Association ("Association") have identified the scope of their participation as addressing: 1) the cumulative air quality, traffic and health effects of the Eastshore and Russell City projects, if both are approved; 2) the individual and cumulative socioeconomic impacts on the District; and 3) the individual and cumulative environmental justice impacts. The Chabot Intervenors' statements, below, are therefore limited to the evidence relevant to these issues.

1. Topic Areas That are Complete and Ready to Proceed to Evidentiary Hearing

The Chabot Intervenors do not take a position on whether topics unrelated to cumulative effects, socio-economic impacts and/or environmental justice impacts are complete and ready to proceed to evidentiary hearing.

2. Topic Areas that are Not Complete and Not Yet Ready to Proceed to Evidentiary Hearing, and the Reasons Therefore

The topics of cumulative effects, socio-economic impacts on educational resources, and environmental justice impacts, are not complete and not yet ready to proceed to evidentiary hearing. This is due to three flaws in the California Energy Commission's ("CEC") methodology in assessing this project.

First, the Final Staff Assessment ("FSA")—a report of 700+ pages—was just published at close of business on November 9, 2007. Thus, the Chabot Intervenors have not had an opportunity to analyze fully the FSA and develop any needed supplementary evidence regarding cumulative effects, socio-economic impacts and/or environmental justice. The Chabot Intervenors assert that on this basis alone, these areas must be deemed incomplete and not ready for hearing.

Second, the topic of cumulative effects (including the cumulative effects on air quality, public health, traffic and transportation, socio-economic impacts on educational resources, and environmental justice) is incomplete. The CEC failed to consolidate the Eastshore and Russell City projects, and instead considered them in isolation. This fractured process was inherently

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flawed, as it precluded a complete analysis of the potential, cumulative effects of these two projects. While the FSA does give some consideration to the cumulative effects of the Eastshore and Russell City projects, the Chabot Intervenors assert that the topic area of cumulative effects is incomplete and not yet ready to proceed to hearing.

Third, the topics of socio-economic impacts and environmental justice are incomplete because the FSA fails to consider the economic and demographic implications of locating the Eastshore Plant only ---- miles from the Chabot campus. Indeed, the Chabot Community College District appears ***nowhere*** in the 700+-page analysis of the Eastshore project.

With regard to environmental justice, the FSA notes that the review steps recommended by the federal Environmental Protection Agency include as "Step 2": "a screening-level analysis to determine the existence of a minority or low-income population." (FSA at 1-4.) However, a review of the FSA reveals that this screening process nowhere considers the fact that the power plant would be located almost adjacent to a community college that serves 15,000 largely minority, low-income students. Thus, the FSA regarding environmental justice is necessarily incomplete.

With regard to socio-economic impacts, the FSA concludes that, "[t]here are no significant adverse socioeconomic impacts on educational resources from the facility." (FSA at 4.8-8.) However, even a cursory review of the FSA reveals that its analysis has ignored the very existence of the Chabot Las Positas Community College District. Thus, this conclusion is fundamentally flawed, and the topic of socioeconomic impacts on educational resources is profoundly incomplete.

3. <u>The Topic Areas that Remain Disputed and Require Adjudication, and the Precise Nature of the Dispute for Each Topic</u>

Chabot Intervenors dispute the following conclusions articulated in the FSA:

A. The Eastshore Project, "would not cause a significant adverse direct or cumulative socioeconomic impact on the area's . . . schools . . . ." (FSA at 4.8-1.)

B. The conclusions summarized in Section Seven, "Environmental Justice" of

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the FSA, subjections Air Quality, Land Use, Noise Public health, Socioeconomics, Traffic and Transportation, and Visual Resources, as they fail to factor in impacts on the Chabot College student population.

4. <u>The Identity of Witnesses; Brief Summary of Testimony; Qualifications; and Estimated Time to Present Direct Testimony</u>

Please see Chabot Intervenors' Issues and Witness Identification Form filed herewith.

5. <u>Topic Areas Upon Which Chabot Intervenors Desire to Cross Examine Witnesses</u>

Chabot intervenors anticipated cross examining witnesses in the areas listed below. Chabot intervenors are not able to provide an estimate of time needed for cross examination at this time.

Staff's outreach process and compliance with EPA procedures and methodology;

A. Staff's failure to factor into analysis 15,000-student population in close proximity to the proposed site;

B. Staff's failure to factor into analysis the College's legally-mandated role as a public forum for public gatherings, senior activities, youth sports, and other activities;

C. Staff's failure to factor into analysis that the College is the site of a day care center that serves low-income minority infants and toddlers;

D. Staff's failure to factor into analysis economic role of the District in the community; possible economic impacts on the District; and how negative economic impacts on the District could impact the larger community;

E. Staff's failure to factor into analysis concentration of minority and low-income students in close proximity to the proposed site;

F. Staff's failure to factor into analysis that the District has the single largest concentration of employees in close proximity to the proposed site;

G. The cumulative effect of the Russell City and Eastshore projects on air quality, public health, traffic and transportation, socioeconomic impact on

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schools, and environmental justice.

H. Any other testimony or evidence presented on a matter disputed by the Chabot Intervenors.

6. Exhibit List

The Chabot Inetervenors have no exhibits to identify at this time and reserves the right to submit relevant documentary evidence at the time of the Evidentiary Hearing. The District will offer the declarations of Dr. Joel Kinnamon and Dr. Susan Sperling, both of which have been filed in support of the Joint Petition to Intervene, filed herewith.

7. Proposals for Briefing Deadlines, Vacation Schedules and Other Scheduling Matters

The Chabot Intervenors renew their request that this matter be adjourned to allow for a more thorough review of the FSA. Ultimately, the Chabot Intervenors believe that more careful review will allow for a more focused and efficient hearing, as it will facilitate narrowing the issues; identifying and preparing stipulations of fact; and eliminating unnecessary witnesses and testimony .

8. Review of Proposed Conditiosn of Certification for Enforceability, Comprehension, and Consistency with the Evidence and Proposed Modifications

The Chabot Intervenors' proposed modifications, if any, will be presented through witnesses and documentary evidence at the time of the Evidentiary Hearing.

The Chabot Intervenors reserve the right to supplement, at the time of or before the Evidentiary Hearing, the topic areas they intend to dispute, the witnesses they will present, subjects covered by listed witnesses, documentary evidence and exhibits, and areas of cross examination.

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Dated: November 17, 2007

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Dated: November 18, 2007

Chabot-Las Positas Faculty Association

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STATE OF CALIFORNIA
State Energy Resources
Conservation and Development Commission

In the Matter of:	Docket No. 06-AFC-06
Application for Certification For the Eastshore Energy Center	**ISSUE AND WITNESS IDENTIFICATION** Date: November 26, 2007 Time: 2:00 p.m. CEC: Jeffrey D. Byron Commissioner and Presiding Member

The Chabot-Las Positas Community College District and Chabot Faculty Association (hereafter "Chabot Intervenors") submit the following list of witnesses and brief summaries of testimony. In so doing, the Chabot Intervenors do not waive their right to present additional

witnesses, as needed, at the Evidentiary Hearing.

ISSUES	PROPOSED TESTIMONY	WITNESS
1. Cumulative effects on air quality.	1. Air pollutant and air quality modeling issues and cumulative impact of the proposed Russell City and Eastshore Power Plants.	1. Dr. Paolo Zannetti, QEP (See Curriculum Vitae, attached as Exhibit A.) **Approximate time for direct: 3 hours.**
2. Socioeconomic impact on educational resources; environmental justice; negative impact of the Eastshore Project on student success and faculty recruitment and retention.	2. The Education Code, as legislated through AB 1725, establishes the right and obligation of community college faculty to share in the governance of their College and their District on a variety of matters including: 1) the policies and standards for student success, and 2) hiring policies and procedures for new faculty. The Chabot College Faculty Senate, in carrying out this role, has take a formal position in opposition to the Eastshore Project. It is the conclusion of the Faculty Senate, and the professional opinion of the witness as an educator and Faculty Senate president, that approval of the Eastshore project will negatively impact student success. It is a further concern of the Faculty Senate and the witness that approval of the Eastshore project will impede the recruitment and retention of faculty.	2. Ms. Diane Zuliani (See Curriculum Vitae, attached as Exhibit B.) **Approximate time for direct: ½ hour.**
3. Environmental Justice	3. The cumulative negative impacts on low-income and	3. Dr. Susan Sperling (Curriculum Vitae attached as

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	minority communities that will result from approving the Eastshore project; the appropriateness of considering school communities as well as residential communities in assessing environmental justice issues; and the weakness in the Staff analysis for failing to take into consideration the demographics and needs of the Chabot College student body.	exhibit C.) **Approximate time for direct: ½ hour.**
4. Environmental Justice	4. Demographic make-up of the Chabot College student body and surrounding area.	4. Dr. Carolyn Arnold (Curriculum Vitae attached as exhibit D.) **Approximate time for direct: ¼ hour.**
5. Socioeconomic impact on educational resources	5. The Education Code, as legislated through AB 1725, establishes the right of community college classified staff to participate in District and College governance issues that impact the classified service. In that capacity, the Chabot College Classified Senate opposes the approval of the Eastshore Power Plant. The greatest educational resource of a school is its people. This plant will work to the detriment of Chabot's classified employees, many of whom engage in strenuous, outdoor tasks.	5. Ms. Rachel Ugale. Ms. Ugale serves as the President of the Chabot College Classified Senate and will testify in that capacity. **Approximate time for direct: ¼ hour.**

☒ Check box if continuation pages are attached

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EXHIBIT A

CURRICULUM VITAE
OF
PAOLO ZANNETTI
PRESIDENT, ENVIROCOMP CONSULTING, INC.

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Fremont, CA 94539 (USA)

Personal Web page: http://www.envirocomp.org/html/meetus/zannetti.htm

EDUCATION AND TITLES

- *Qualified Environmental Professional (QEP),* Institute of Professional Environmental Practice (IPEP) www.ipcp.org
  Certificate #029440029 (2/1994) – Recertified on 7/2007

- *Doctoral Degree in Physics*, University of Padua, Italy (12/1970)
  www.unipd.it

- *Diploma of Maturita' Scientifica*, Scientific Lyceum Ippolito Nievo, Padua, Italy (7/1965)

PROFESSIONAL EXPERIENCE

- ***President*, EnviroComp Consulting, Inc. (4/2001 – present)**
  www.envirocomp.com

  - *President and Founder*, EnviroComp Institute (10/1996-present) www.envirocomp.org

  - *Regional Coordinator* for the Institute of Professional Environmental Practice (IPEP) in the San Francisco Bay Area (9/1997- present); www.ipep.org

  - *Visiting Professor,* Wessex Institute of Technology, Southampton, UK (1991-present); www.wessex.ac.uk

  - *Visiting Professor*, Polytechnic University of Bari-Taranto, Italy (1999 – present)
    www.poliba.it/Taranto/TARAS_1.htm

  - *Peer-Reviewer,* Kuwait Institute of Scientific Research, Kuwait. Wessex Institute of Technology, Southampton, UK (2002-present); http://www.kisr.edu.kw/

- ***Principal Scientist,* Exponent, Inc., Menlo Park, California (11/1991-4/2001)**
  www.exponent.com

  - *Instructor,* University Extension, University of California, Berkeley (10/1992-7/1997); www.unex.berkeley.edu:4243

- ***Department Manager*, AeroVironment, Inc., Pasadena/Monrovia, California (10/1979-11/1991)**
  www.aerovironment.com

  - *Consultant*, IBM Semea, Milan, Italy (1-10/1991; on leave of absence from AeroVironment)

  - *Head, Environmental Sciences*, IBM Scientific Center, Bergen, Norway and *Leader, Environmental Sciences Activities of IBM Europe* (3-12/1990; on leave of absence from AeroVironment)

  - *Consultant*, Research Center of the Italian National Electric Power Company (CRTN/ENEL), Milan, Italy. (3-10/1984; on leave of absence from AeroVironment)

  - *Project Manager*, Kuwait Institute for Scientific Research (KISR), Kuwait

(2/1982-2/1984; on leave of absence from AeroVironment); www.kisr.edu.kw

- ***Researcher,*** **IBM Scientific Center, Venice, Italy (8/1971-10/1979)**
  - *Visiting Scientist,* Department of Statistics, Stanford University, California (1/1978-3/1979; on assignment from IBM Italy)
  - *Visiting Scientist,* IBM Scientific Center, Palo Alto, California (1/1978-3/1979; on assignment from IBM Italy)
  - *Assistant Professor,* Department of Civil Engineering, University of Padua, Italy (1974-78); www.unipd.it
- ***Systems Analyst,*** **UNIVAC/Sperry Rand, Milano, Italy (3-7/1971)**

EDITORIAL RESPONSIBILITY

- Editor of the Book Series "Environmental Sciences and Environmental Computing"
  www.envirocomp.org/esec
- Editor and co-Author of the Book Series "Air Quality Modeling - Theories, Methodologies, Computational Techniques, and Available Databases and Software"
  www.envirocomp.org/aqm
- Member of the Editorial Board of "Environmental Forensics" (AEHS) (2003-present)
- Founder and President (since 1996) of the EnviroComp Institute - The International Institute of Environmental Sciences and Environmental Computing (www.envirocomp.org)
- Founder and Editor-in-Chief (1986-93) of the quarterly journal *Environmental Software*, published by Computational Mechanics Publications since June 1986 and by Elsevier Applied Science since September 1991. Currently Founding Editor.
- Founder and Director of the biennial ENVIROSOFT Conference - Computer Techniques in Environmental Studies (conferences have been held every two years since 1986).
- Founder and Co-Director of the first two AIR POLLUTION Conferences - Computer Techniques in Environmental Studies (1993-94). Currently Member of the Conference Board.

- Associate Editor/Member of the Editorial Board, *Atmospheric Environment*, published by Pergamon Press (1987-1999).

- Member of the Editorial Board, *Ecological Modeling*, published by Elsevier Applied Science (since 1992).

- Member of the Editorial Board, *ENVIRONews*, published by FiatLux Publications (1993-1998); www.envirocomp.org/html/news/flpub.htm

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MEMBERSHIPS

- Member, International Scientific Advisory Committee, AIR POLLUTION Conference Cycle, Wessex Institute of Technology, UK. (since 2000)

- Member of the "SATURN Specialist Group" (http://aix.meng.auth.gr/lhtee/saturn.html), subproject of EUROTRAC-2 (http://www.gsf.de/eurotrac) dealing with urban air pollution (since 1998)

- San Francisco Bay Area Regional Coordinator for the Institute of Professional Environmental Practice (IPEP) (since 1997)

- Athens 2004 Committee (1997-2000)

- Reviewer group for the Center for Indoor Air Research (CIAR), 1995-1999.

- International Scientific Advisory Committee, Environmental Engineering and Management Conference, Barcelona, Spain. October 1998.

- International Scientific Advisory Committee, Environmental Engineering, Education and Training Conference (EEET96), Southampton, UK, April 1996.

- Scientific Advisory Board, International Congress on Modelling and Simulation (MODSIM 93 and MODSIM 95), Modeling and Simulation Society of Australia Inc.

- International Federation for Information Processing (IFIP), Working Group WG 5.11 (Computers and Environment), (1992-1997)

- ISATA Programme Committee (1992-1994)

- Scientific Committee of the Technological Consortium THETIS (Venice, Italy), (1991)

- Board of Directors, MONDOMETANO, published by RES Editrice srl. (1989-92).

- European Association for the Science of Air Pollution (EURASAP), (1987-94)

- EPA-ASRL pool for the review of U.S. Environmental Protection Agency publications, (1987-96)
- American Meteorological Society (AMS) (1978-1985)
- Air and Waste Management Association (AWMA), since 1978 (originally Air Pollution Control Association, APCA)

MISCELLANEA

- Italian Citizen by birth. U.S. Citizen since 1989.
- Languages: English, Italian, French, plus understanding of Spanish

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HONORS

- Medal award from Computational Mechanics, Ashurst, England, in recognition of contribution to the development of Environmental Modeling (11/1994)
- Plaque award from the South Coast Air Quality Management District, in recognition of contribution to the Toxic Symposium at Caltech, Pasadena, California (7/1986)

PUBLICATIONS

Books

B.23 Zannetti, P., D. Al-Ajmi, and S. Al-Rashied, Eds. (2007) AMBIENT AIR POLLUTION. Published by The Arab School for Science and Technology (ASST) and The EnviroComp Institute. (www.envirocmp.org/asst)

B.22 Zannetti, P., Ed. (2005) Air Quality Modeling - Theories, Methodologies, Computational Techniques, and Available Databases and Software. Vol II – Advanced Topics. Book Series published by the EnviroComp Institute and the Air & Waste Management Association. (www.envirocomp.org/aqm)

B.21 Zannetti, P., Ed. (2004) Environmental Sciences and Environmental Computing, Vol II. Electronic book (on CD-ROM), The EnviroComp Institute (www.envirocomp.org/csec)

B.20 Zannetti, P., Ed. (2003) Air Quality Modeling - Theories, Methodologies, Computational Techniques, and Available Databases and Software. Vol I – Fundamentals. Book Series published by the EnviroComp Institute and the Air &

Waste Management Association. (www.envirocomp.org/aqm)

B.19 C. A. Brebbia and P. Zannetti, Eds. (2002) Development and Application of Computer Techniques to Environmental Studies IX. WIT Press (www.witpress.com).

B.18 Ibarra-Berastegi, G., C.A. Brebbia, and P. Zannetti, Eds. (2000) Development and Application of Computer Techniques to Environmental Studies VIII. WIT Press (www.witpress.com).

B.17 Zannetti, P. and Y.Q. Zhang, Eds. (1998) Environmental Sciences and Environmental Computing, Vol I. Electronic book (on CD-ROM), FiatLux Publications and EnviroComp Institute (www.envirocomp.org/esec)

B.16 Pepper, D.W., C.A. Brebbia, and P. Zannetti, Eds. (1998) Development and Application of Computer Techniques to Environmental Studies. Proceedings of the ENVIROSOFT 98 Conference, Las Vegas, Nevada, November. WIT Press - Computational Mechanics Publications, Southampton.

B.15 Zannetti, P., Ed. (1996) *ENVIRONMENTAL MODELING - Computer Methods and Software for Simulating Environmental Pollution and its Adverse Effects - Volume III.* Computational Mechanics Publications, Southampton.

B.14 Zannetti, P. and C. Brebbia, Eds. (1996) *Development and Application of Computer Techniques to Environmental Studies VI.* Proceedings of the ENVIROSOFT 96 Conference, Como, Italy, September. Computational Mechanics Publications, Southampton.

B.13 Zannetti, P., Ed. (1994) *Pollution Modeling.* Volume I of the Proceedings of the ENVIROSOFT 94 Conference, San Francisco, November. Computational Mechanics Publications, Southampton.

B.12 Zannetti, P., Ed. (1994) *Environmental Systems.* Volume II of the Proceedings of the ENVIROSOFT 94 Conference, San Francisco, November. Computational Mechanics Publications, Southampton.

B.11 Baldasano, J.M., C.A. Brebbia, H. Power, and P. Zannetti, Eds. (1994) *Computer Simulation.* Volume 1 of the Proceedings of the Second International AIR POLLUTION Conference, Barcelona, Spain, September 1994. Computational Mechanics Publications, Southampton.

B.10 Baldasano, J.M., C.A. Brebbia, H. Power, and P. Zannetti, Eds. (1994) *Pollution Control and Monitoring.* Volume 2 of the Proceedings of the Second International AIR POLLUTION Conference, Barcelona, Spain, September 1994. Computational Mechanics Publications, Southampton.

B.9 Zannetti, P., Ed. (1994) *ENVIRONMENTAL MODELING - Computer Methods and Software for Simulating Environmental Pollution and its Adverse Effects - Volume*

II. Computational Mechanics Publications, Southampton.

B.8 Zannetti, P., C.A. Brebbia, J.E. Garcia Gardea and G. Ayala Milian, Eds. (1993) *Air Pollution.* First International Conference on Air Pollution, Monterrey, Mexico, February. Computational Mechanics Publications, Southampton, and Elsevier Science Publishers, London.

B.7 Zannetti, P., Ed. (1993) *ENVIRONMENTAL MODELING - Computer Methods and Software for Simulating Environmental Pollution and its Adverse Effects - Volume I.* Computational Mechanics Publications, Southampton, and Elsevier Science Publishers, London.

B.6 Zannetti, P., Ed. (1992): *Computer Techniques in Environmental Studies IV.* Proceedings of the Fourth International Conference ENVIROSOFT 92. Computational Mechanics Publications, Southampton, and Elsevier Applied Science, London.

B.5 Melli, P. and P. Zannetti, Eds. (1992): *Environmental Modelling.* Computational Mechanics Publications, Southampton, and Elsevier Applied Science, London.

B.4 Zannetti, P. (1990): *Air Pollution Modeling - Theories, Computational Methods and Available Software.* Computational Mechanics Publications, Southampton, and Van Nostrand Reinhold, New York. 450 pp.
(http://www.amazon.com/Pollution-Modeling-Theories-Computational-Available/dp/0442308051)

B.3 Zannetti, P., Ed. (1990): *Computer Techniques in Environmental Studies III.* Proceedings of the Third International Conference ENVIROSOFT 90. Computational Mechanics Publications, Southampton, U.K.

B.2 Zannetti, P., Ed. (1988): *Computer Techniques in Environmental Studies.* ENVIROSOFT 88 - Second International Conference, Porto Carras, Greece, September. Ashurst, United Kingdom: Computational Mechanics Publications.

B.1 Zannetti, P., Ed. (1986): *ENVIROSOFT 86.* Proceedings of the International Conference on Development and Application of Computer Techniques to Environmental Studies, Los Angeles, USA, November 1986. Ashurst, United Kingdom: Computational Mechanics Publications.

Book Chapters

BC.14 Freedman, F. and P. Zannetti. 2007. Global Warming and Climate Change: State of the Science. Chapter 5 of AMBIENT AIR POLLUTION (P. Zannetti, D. Al-Ajmi, and S. Al-Rashied, Editors). Published by The Arab School for Science and Technology (ASST) and The EnviroComp Institute
(http://www.envirocomp.org/)

BC.13 Daly, A. and P. Zannetti. 2007. Air Pollution Modeling – An Overview. Chapter 2

of AMBIENT AIR POLLUTION (P. Zannetti, D. Al-Ajmi, and S. Al-Rashied, Editors). Published by The Arab School for Science and Technology (ASST) and The EnviroComp Institute. (http://www.envirocomp.org/asst)

BC.12 Daly, A. and P. Zannetti. 2007. An Introduction to Air Pollution – Definitions, Classifications, and History. Chapter 1 of AMBIENT AIR POLLUTION (P. Zannetti, D. Al-Ajmi, and S. Al-Rashied, Editors). Published by The Arab School for Science and Technology (ASST) and The EnviroComp Institute (http://www.envirocomp.org/asst)

BC.11 Byun, Daewon W., Avraham Lacser, Robert Yamartino, and Paolo Zannetti (2005) Eulerian Dispersion Models. Chapter 10 of AIR QUALITY MODELING - Theories, Methodologies, Computational Techniques, and Available Databases and Software. Vol. I - Fundamentals (P. Zannetti, Editor). Published by The EnviroComp Institute and the Air & Waste Management Association. (www.envirocomp.org/aqm)

BC.10 Zannetti, P. (2004) Air Pollution Dispersion Modeling. Section 16.6 of The CRC Handbook of Mechanical Engineering, Second Edition, Eds., Kreith, F. and D. Yogi Goswami. CRC Press.

BC.9 Calamari, D., K. Jones, K Kannan, A. Lecloux, M. Olsson, M. Thurman, P. Zannetti (2000) Monitoring as an Indicator of Persistence and Long-Range Transport. Chapter 6 of Evaluation of Persistence and Long=Range Transport of Organic Chemicals in the Environment, Edited by G. Klecka et al. – SETAC Press (www.setac.org).

BC.8 Zannetti, P. (1998) Air Pollution Dispersion Modeling. Section 16.6 of The CRC Handbook of Mechanical Engineering, Ed., Kreith, F. CRC Press

BC.7 Zannetti, P. (1996) Environmental Modeling: Today and Tomorrow. Chapter 1 of *ENVIRONMENTAL MODELING - Computer Methods and Software for Simulating Environmental Pollution and its Adverse Effects - Volume III*, Zannetti, P., Ed., Computational Mechanics Publications, Southampton.

BC.6 Zannetti, P. (1994) Introduction to Environmental Modeling. Chapter 1 of *ENVIRONMENTAL MODELING - Computer Methods and Software for Simulating Environmental Pollution and its Adverse Effects - Volume II*, Zannetti, P., Ed., Computational Mechanics Publications, Southampton.

BC.5 Zannetti, P. (1993) Introduction and Overview. Chapter 1 of *ENVIRONMENTAL MODELING - Computer Methods and Software for Simulating Environmental Pollution and its Adverse Effects - Volume I*, Zannetti, P., Ed., Computational Mechanics Publications, Southampton, and Elsevier Science Publishers, London.

BC.4 Zannetti, P. (1993) Numerical Simulation Modeling of Air Pollution: An Overview. Section of *Ecological Physical Chemistry*, Bonati, L., U. Cosentino, M. Lasagni, G. Moro, D. Pitea, and A. Schiraldi, Eds., Elsevier Science Publishers, London. Also

published in *Air Pollution*, Zannetti, P., C.A. Brebbia, J.E. Garcia Gardea and G. Ayala Milian, Eds. (1993), First International Conference on Air Pollution, Monterrey, Mexico, February. Computational Mechanics Publications, Southampton, and Elsevier Science Publishers, London.

BC.3 Zannetti, P. (1992) Particle Modeling and its Application for Simulating Air Pollution Phenomena. Chapter 11 of *Environmental Modelling,* Melli, P. and P. Zannetti, Eds., Computational Mechanics Publications, Southampton, and Elsevier Applied Science, London.

BC.2 Zannetti, P. (1989): Simulating Short-Term, Short-Range Air Quality Dispersion Phenomena. Chapter V of *Library of Environmental Control Technology,* Volume 2, Air Pollution Control, P.N. Cheremisinoff, Ed., Houston, Texas: Gulf Publishing.

BC.1 Zannetti, P., G. Carboni and A. Ceriani (1986): AVACTA II model simulations of worst-case air pollution scenarios in Northern Italy. Section of *Air Pollution Modeling and Its Application*, C. De Wispelaere, F. A. Schiermeider and N. V. Gillani, Eds., Plenum Press, New York.

Journal articles

JA.24 Liberti, L., Michele Notarnicola, Roberto Primerano, and Paolo Zannetti (2006) Air Pollution from a Large Steel Factory: Polycyclic Aromatic Hydrocarbon Emissions from Coke-Oven Batteries. ISSN 1047-3289 J. Air & Waste Manage. Assoc. 56:255–260.

JA.23 Zannetti, P. (1996) Modeling Danger – Computer Simulations Analyze Pollution Effects, Forecast Problems. *Contingency Magazine*, March/April, pp 73-75.

JA.22 Boybeyi Z., S. Raman and P. Zannetti (1995): Numerical Investigation of Possible Role of Local Meteorology in Bophal Gas Accident. *Atmospheric Environment (Urban Atmosphere),* Vol. **29**, No. 4, pp 479-496.

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JA.20 Zannetti, P., I. Tombach and W. Balson (1990): Calculation of visual range improvements from SO_2 emission controls - I. Semi-empirical methodology. *Atmospheric Environment,* **24A**:2361-2368.

JA.19 Zannetti, P., I.H. Tombach, and S. Cvencek (1989): An analysis of visual range in the eastern United States under different meteorological regimes. *Journal of the Air & Waste Management Association,* **39**:200-203.

JA.18 Brusasca, G., G. Tinarelli, D. Anfossi, P. Zannetti (1987): Particle modeling simulation of atmospheric dispersion using the MC-LAGPAR package. *Environmental Software,* **2**(3):151-158.

JA.17 Zannetti, P. (1986b): A new mixed segment-puff approach for dispersion modeling. *Atmospheric Environment,* **20**(6):1121-1130.

JA.16 Zannetti, P. (1986a): Monte-Carlo simulation of auto- and cross-correlated turbulent velocity fluctuations (MC-LAGPAR II model). *Environmental Software,* **1**(1):26-30.

JA.15 Tirabassi, T., M. Tagliazucca and P. Zannetti (1986): KAPPA-G, a non-Gaussian plume dispersion model: description and evaluation against tracer measurements. *Journal of the Air Pollution Control Association,* **36**:592-596.

JA.14 Zannetti, P. (1984): New Monte Carlo scheme for simulating Lagrangian particle diffusion with wind shear effects. *Applied Mathematical Modeling,* **8**:188-192.

JA.13 Zannetti, P. (1982): Il "Controlled Trading" negli Stati Uniti [Controlled Trading of pollution emissions in the US]. *Note di Inforrnatica,* **1**:71-83. IBM Italia (also in *Inquinamento,* **25**(7/8):61-64, Etas Kompass, 1983).

JA.12 Zannetti, P. (1981b): Scommessa con il sole [Solar Challenger]. *Scienza e Vita Nuova,* **3**(7):16-21, Rusconi Editore.

JA.11 Zannetti, P. (1982a): E' la anidride carbonica nella almosfera uno dei futuri maggiori pericoli per l' umanita'?[Is the increase of atmospheric CO_2 one of the most serious future problems for the human beings?]. *Inquinamento,* **24**(3):59-62, Etas Kompass.

JA.10 Zannetti, P. (1981a): An improved puff algorithm for plume dispersion simulation. *Journal of Applied Meteorology,* **20**(10):1203-1211.

JA.9 Zannetti, P. (1980-81): Problemi energetici ed ambientali negli USA. [Energy and environmental problems in the US] *Inquinamento,* **22**(12):65-69 and **23**(1):63-66, Etas Kompass.

JA.8 Finzi, G., P. Zannetti, G. Fronza and S. Rinaldi (1979): Real time prediction of SO_2 concentration in the Venetian Lagoon area. *Atmospheric Environment,* **13**:1249-1255.

JA.7 Runca, E., P. Zannetti and P. Melli (1978): A computer-oriented emissions inventory procedure for urban and industrial sources. *Journal of the Air Pollution Control Association,* **28**(6):584-588.

JA.6 Zannetti, P. (1977): Metodiche adottate nell'analisi dei dati misurati nelle reti di monitoraggio dell'area veneziana. [Analysis of atmospheric monitored data in the

Venitian region] Tavola Rotonda su "La gestione operativa di una rete di monitoraggio dell'inquinamento atmosferico," Venice, Italy, June 1976. Annex to *Inquinamento,* **19**(6), Etas Kompass.

JA.5 Zannetti, P., P. Melli and E. Runca (1977): Meteorological factors affecting SO_2-pollution level in Venice. *Atmospheric Environment,* **11**:605-616.

JA.4 Zannetti, P. (1977): Stabilita' atmosferica e livelli di SO_2 in Venezia: limiti del modello gaussiano. [Atmospheric stability and SO_2 levels in Venice - the limitations of the Gaussian model] *Inquinamento,* **19**(3):49-53, Etas Kompass.

JA.3 Runca, E., and P. Zannetti (1976): Applicazione di un metodo per il censimento degli scarichi gassosi di origine industriale nell'area Veneziana. [A method based on optical reading for the inventory of air pollution emissions in the Venetian area] *Inquinamento,* **18**(11):13-17, Etas Kompass.

JA.2 Runca, E., P. Melli and P. Zannetti (1976): Computation of long-term average SO_2 concentration in the Venetian area. *Applied Mathematical Modeling,* **1**:9-15.

JA.1 Zannetti, P., and E. Runca (1975): Validita' della applicazione di un modello gaussiano di tipo climatologico nell'area veneziana. [Validity of the climatological Gaussian model in the Venetian area] *Inquinamento,* **17**(5):9-13, Etas Kompass.

Proceedings (papers presented by the underlined author)

P.49 Mongia, R., W. Qin, J. Belanger, A. Reza, and P. Zannetti (2002) Effect of exhaust stack geometry on the amount of liquid condensate during plant start-up. Paper #453000 in the Proceedings of the AWMA (Air & Waste Management Association) 95th Annual Conference, Baltimore, Maryland, June 23-27, 2002.

P.48 Zannetti, P. (2000) Environmental data, software, information, and resources on the Internet – a review. Keynote address in the Proceedings of ENVIROSOFT 2000, June, Bilbao, Spain. [Published as: Ibarra-Berastegi, G., C.A. Brebbia, and P. Zannetti (2000) Development and Application of Computer Techniques to Environmental Studies VIII. WIT Press (www.witpress.com)]

P.47 Zannetti, P. and R. Sire (1999) MONTECARLO - A New, Fully-Integrated PC Software for the 3D Simulation and Visualization of Air Pollution Dispersion Using Monte Carlo Lagrangian Particle (MCLP) Techniques. AIR POLLUTION 99, Stanford, California, July. WIT Publications, Ashurst, UK.

P.46 Canepa, E., C.F. Ratto, and P. Zannetti (1999) Calibration of the dispersion code SAFE_AIR using a release in nocturnal low wind conditions. AIR POLLUTION 99, Stanford, California, July. WIT Publications, Ashurst, UK.

P.45 Canepa, E., F. C. Ratto, and P. Zannetti (1998) Calibration of the dispersion code

SAFE_AIR against measurements in a complex coastal area. AIR POLLUTION 98, Genova, Italy, September. Computational Mechanics Publications, Ashurst, UK.

P.44 Jackson, J. and P. Zannetti (1997) Design of a Supplemental Control Program for SO2 Episodes in the Region of Ilo, Peru. Proceedings of AIR POLLUTION 97, Bologna, Italy, September. Computational Mechanics Publications, Southampton, UK.

P.43 Fox, D., K. McDonald, P. Zannetti, and Z. Nejedley (1997) Impact of north-western emission changes on visibility in the Rocky Montains parks. Air & Waste Management Association 90th Annual Meeting & Exibition. Toronto, Canada, June.

P.42 Zannetti, P. (1996) Environmental Modeling - The Next Generation (keynote address). Proceedings of ENVIROSOFT 96 - Development and Application of Computer Techniques to Environmental Studies VI. Como, Italy, September.

P.41 Zannetti, P. (1995) Environmental Modeling - Past, Present and Future (keynote address). Proceedings of MODSIM 95 - International Congress on Modelling and Simulation 1995. University of Newcastle, Newcastle, New South Wales, Australia, November.

P.40 Hansen, D.A., P. Zannetti, J.M. Hales (1995) Design of a Framework for the Next Generation of Air Quality Modeling System. Proceedings of AIR POLLUTION 95, Porto Carras, Greece. Computational Mechanics Publications, Southampton, UK, September.

P.39 Zannetti, P. (1995) Is Virtual Reality the Future of Air Pollution Modelling? (keynote address). Proceedings of AIR POLLUTION 95, Porto Carras, Greece. Computational Mechanics Publications, Southampton, UK, September

P.38 Zannetti, P. (1994) Computer Modeling of Air Pollution: Science, Art, or Fiction? Special keynote address in *Computer Simulation,* Volume 1 of the Proceedings of the Second International AIR POLLUTION Conference, Barcelona, Spain, September 1994, Baldasano, J.M., C.A. Brebbia, H. Power, and P. Zannetti, Eds., Computational Mechanics Publications, Southampton.

P.37 Boybeyi, Z., S. Raman, and P. Zannetti (1993): A coupled model applied to the Bophal gas accident. International Conference on Sustainable Development Strategies and Global/Regional/Local Impacts on Atmospheric Composition and Climate. Indian Institute of Technolofy, New Delhi, India, January.

P.36 Zannetti, P., and I. Tombach (1989): Intercomparison of numerical techniques for the simulation of visibility improvements from SO_2 emission controls in the eastern United States. AWMA/EPA International Specialty Conference on Visibility and Fine Particles. Estes Park, Colorado, October.

P.35 Zannetti, P. (1989): Can we continue to apply dispersion models without a proper linkage with meteorological models? Paper 89-43.1, presented at the 82nd Annual AWMA Meeting, Anaheim, California, June.

P.34 Brusasca, G., G. Tinarelli, J. Moussafir, P. Biscay, P. Zannetti and D. Anfossi (1988): Development of a portable FORTRAN 77 code for Monte Carlo particle modeling of atmospheric diffusion (MCLAGPAR II) - Validation against analytical solutions and tracer experiments. ENVIROSOFT 88 Computer techniques in environmental studies. 2nd International Conference Porto Carras, Greece, September. Computational Mechanics Publications, Southampton.

P.33 Zannetti, P., I. Tombach, and S. Cvencek (1988): Semi-empirical analysis of the potential visibility improvements from SO_2 emission controls in the eastern United States. Proceedings of the 81st Annual Air Pollution Control Association Meeting, Dallas, Texas, June 19-24.

P.32 Brusasca, G., G. Tinarelli, P. Zannetti and D. Anfossi (1986): Monte-Carlo simulation of plume dispersion in homogeneous and non-homogeneous turbulence. ENVIROSOFT 86, Newport Beach, California, November.

P.31 Tirabassi, T., M. Tagliazucca and P. Zannetti (1986b): A non-Gaussian climatological model for air quality simulations. ENVIROSOFT 86, Newport Beach, Califomia, November.

P.30 Tirabassi, T., M. Tagliazucca and P. Zannetti (1986a): Evaluation and sensitivity of a model of dispersion in turbulent shear flow. WMO Conference on Air Pollution Modeling and its Application, Leningrad, USSR, May.

P.29 Zannetti, P. (1985): Air pollution modeling R&D in Italy and Kuwait. Air Pollution Control Association 78th Annual Meeting and Exhibition, Detroit, Michigan, June.

P.28 Zannetti, P., G. Carboni and A. Ceriani (1985): AVACTA II model simulations of worst-case air pollution scenarios in Northern Italy. 15th International Technical Meeting on Air Pollution Modeling and lts Application. NATO/CCMS, St. Louis, Missouri, April.

P.27 Tirabassi, T., M. Tagliazucca and P. Zannetti (1984): Evaluation of a dispersion model based on a nonGaussian analytical solution in turbulent shear flow. DOE/AMS Model Evaluation Workshop, Kiawah Island, South Carolina, October.

P.26 Zannetti, P., and N. Al-Madani (1983b): Simulation of transformation, buoyancy and removal processes by Lagrangian particle methods. 14th ITM Meeting on Air Pollution Modeling and Its Application. NATO/CCMS, Copenhagen, Denmark, September.

P.25 Zannetti, P., and N. Al-Madani (1983a): Numerical simulations of Lagrangian

particle diffusion by Monte-Carlo techniques. VIth World Congress on Air Quality (IUAPPA), Paris, May.

P.24 Wilbur, D.W., and P. Zannetti (1983): Field measurements and model validation of dispersion over water and at land/sea interface. Sixth Symposium on turbulence and Diffusion, Boston, Massachusetts, March.

P.23 Zannetti, P. (1982): A new Monte-Carlo scheme for simulating Lagrangian particle diffusion with wind shear effects. 13th International Technical meeting on Air Pollution Modeling and Its Application. NATO/CCMS, Ile Des Embiez, France, September.

P.22 Zannetti, P., D. Wilbur and G. Schacher (1982): Coastal atmospheric diffusion characterization from three-dimensional monitoring of SF_6 releases. 1st International Conference on Meteorology and Air/Sea Interaction in the Coastal Zone. The Hague, The Netherlands, May.

P.21 Schacher, G., C. Fairall and P. Zannetti (1982): Comparison of stability classification methods for parameterizing coastal over-water dispersion. 1st International Conference on Meteorology and Air/Sea Interaction in the Coastal Zone, The Hague, The Netherlands, May.

P.20 Zannetti, P. (1981): Some aspects of Monte Carlo type modeling of atmospheric turbulent diffusion. 7th Conference on Probability and Statistics in Atmospheric Sciences, American Meteorological Society, Monterey, California, November.

P.19 Zannetti, P. (1980c): A new puff algorithm for non-stationary dispersion on complex terrain. 5th Symposium on Turbulence, Diffusion and Air Pollution, American Meteorological Society, Atlanta, Georgia, March.

P.18 Zannetti, P. (1980b): A new Gaussian puff algorithm for nonhomogeneous nonstationary dispersion in complex terrain. 11th International Technical Meeting on Air Pollution Modeling and Its Application. NATO/CCMS, Amsterdam, The Netherlands, November.

P.17 Zannetti, P. (1980a): A new puff model for an accurate nonstationary plume description in both transport and calm conditions. Symposium on Intermediate Range Atmospheric Transport Processes and Technology Assessment. Gatlinburg, Tennessee, October.

P.16 Zannetti, P., and P. Switzer (1979b): The Kalman filtering method and its application to air pollution episode forecasting. Air Pollution Control Association Specialty Conference "Quality Assurance in Air Pollution Measurement," New Orleans, Louisiana, March. (Also: IBM Palo Alto Technical Report G320-3381; and Department of Statistics, Stanford University, Technical Report 22.)

P.15 Zannetti, P., and P. Switzer (1979a): Some problems of validation and testing of

numerical air pollution models. 4th Symposium on Turbulence, Diffusion and Air Pollution, American Meteorological Society, Reno, Nevada, January. (Also: Technical Report 21, Department of Statistics, Stanford University.)

P.14 Zannetti, P. (1978): Short-term, real-lime control of air pollution episodes in Venice. 71st Air Pollution Control Association Annual Meeting, Houston, Texas, June. (Also: Technical Report G320-3371, IBM Scientific Center, Palo Alto, California).

P.13 Runca, E., P. Zannetti and P. Melli (1978): Air quality management: Proposal for a computer oriented approach. International Symposium "Simulation '77," Montreux, Switzerland, June 1977.

P.12 Finzi, G., G. Fronza, S. Rinaldi and P. Zannetti (1978): Modeling and forecast of the Dosage Population Product in Venice. IFAC Symposium on Environmental System Planning, Design and Control, Kyoto, Japan, August 1977.

P.11 Zannetti, P., G. Finzi, G. Fronza and S. Rinaldi (1978): Time series analysis of Venice air quality data. IFAC Symposium on Environmental System Planning, Design and Control, Kyoto, Japan, August 1977.

P.10 Zannetti, P. (1977b): Modeling and forecasting SO_2 air pollution levels: a statistical approach. Applied Numerical Modeling, International Conference, Southampton, England, July. (Presented by P. Melli)

P.9 Zannetti, P. (1977a): Modelli statistici e loro possibilita' applicative per lo studio delle serie di misure meteorologiche e di SO_2 nell'area veneziana. [Statistical models and their application to meteorological and air quality time series in the Venetian area] Ambiente e Risorse, 4th Meeting, Bressanone, Italy, September 1976.

P.8 Gambolati, G., P. Zannetti and P. Gatto (1977): A mixed finite difference-finite element approach to simulate unconfined flow in the Crescentino area. Seminar on Regional Groundwater Hydrology and Modeling, IBM Scientific Center, Venice, Italy, May 1976.

P.7 Runca, E., P. Melli and P. Zannetti (1976): Computation of SO_2-1ong term concentration in the Venetian area. Mathematical Models for Environmental Problems, International Conference, Southampton, England, September 1975.

P.6 Zannetti, P., P. Melli and E. Runca (1976): SO_2 in Venezia: analisi e prospettive. [SO_2 in Venice - analyses and future perpectives] Ambiente e Risorse 3rd Meeting, Bressanone, Italy, September 1975.

P.5 Zannetti, P. (1976): Analisi delle serie temporali di misure della qualita dell'aria in Venezia: uno studio preliminare. [A preliminary study of meteorological and air quality time series in Venice] XIV Convegno Internazionale di Automazione e

Strumentazione, Automazione e Utilizzazione delle Risorse, FAST, Milano, Italy, November.

P.4 Runca, E., P. Melli and P. Zannetti (1976b): An application of air pollution models to the Venetian area. Seminar on Air Pollution Modeling, IBM Scientific Center, Venice, Italy, November 1975.

P.3 Runca, E., P. Melli and P. Zannetti (1976a): Simulation of SO_2 dispersion in the Venetian area. 6th International Technical Meeting, NATO/CCMS Expert Panel on Air Pollution Modeling, Frankfurt, W. Germany, September 1975.

P.2 Zannetti, P., and E. Runca (1975): Studio dell'inquinamento atmosferico nell'area veneziana mediante l'uso di un modello di diffusione gaussiano. [Study of air quality in Venice using a Gaussian model] Ambiente e Risorse 2nd Meeting, Bressanone, Italy, September 1974.

P.1 Zannetti, P., and E. Runca (1974): Meteorologia ed inquinamento nell'area veneziana. [Meteorology and air pollution in Venice] Sep/Pollution 74, Padova, Italy, June.

More than 200 Technical Reports

More than 50 Short Communications

OTHER PUBLISHING/EDITORIAL ACTIVITIES

- **Urban Air Pollution – Athens 2004 Air Quality**, an electronic book published by FiatLux Publications & The EnviroComp Institute (1998) www.envirocomp.org/html/publish/CDROM/Athens/flyer.pdf

- **EnviroNews**, a bimonthly environmental newsletter publisher by FiatLux Publications (1993-2000) www.envirocomp.org/html/news/flpub.htm

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UNPUBLISHED WORKS

Doctoral Degree Thesis

Zannetti, P. (1970) Riconoscimento a mezzo di elaboratore elettronico di caratteri numerici manoscritti. [Computer pattern recognition of handwritten digits] Relatori: Profs. L. Mezzetti and D. Toniolo. University of Padua, Faculty of Science (Physics).

Poster Papers

PP.1 Zannetti, P. (1986): AVACTA II: a new Gaussian dynamic model for the simulation of atmospheric dispersion, transformation and deposition phenomena. Poster paper, WMO Conference on Air Pollution Modeling and Its Application, Leningrad, USSR, May 1986.

Course Materials and Recent Seminars

C.35 Zannetti (2006) Introduction to Air Pollution Modelling. Organised by Wessex Institute of Technology, Southampton, UK, 25-26 May 2006, Ashurst Lodge, Ashurst, Southampton. Topics: Air Pollution Problems and Phenomena, Air Pollution Meteorology, The Gaussian Plume Model, Segmented and Puff Model, Eulerian Models, Lagrangian Particle Models, Atmospheric Chemistry and Deposition, Long-range and Global Modelling.

C 34 Zannetti (2005) Air Pollution Modeling of Accidental Releases - Science and Litigation. Presented at the Universidade Federal de Santa Maria, Brazil, 15 September 2005.

C.33 Zannetti (2005) 1. Introduction to Air Pollution. 2. Introduction to Air Pollution Modeling. 3A. Air Pollution Case Studies. 3B. Global Issues. Workshop on Ambient Air Pollution, 5-9 February 2005. The Kuwait Foundation for the Advancement of Science (KFAS), Kuwait.

C.32 Zannetti, P. (2004) Fluid Pollution Modeling. Engineering Faculty, Taranto, Italy. October 2004.

C.31 Zannetti, P. (2003) Fluid Pollution Modeling. Engineering Faculty, Taranto, Italy. May 2003.

C.30 Zannetti, P. (2002) Fluid Pollution Modeling. Engineering Faculty, Taranto, Italy. September 2002.

C.29 Zannetti, P. (2001) Fluid Pollution Modeling. Engineering Faculty, Taranto, Italy. September 2001.

C.28 Zannetti, P. (2001) Accidental Chemical Releases - Accident Reconstruction, Air Dispersion Modeling, Source Identification, and Allocation of Responsibility. Environmental Litigation: Advanced Forensics and Legal Strategies. April 4-5, San Francisco, CA.

C.27 Zannetti, P. (2000) Fluid Pollution Modeling. Engineering Faculty, Taranto, Italy. October 9-12.

C.26 Zannetti, P. (1999) Fluid Pollution Modeling. Engineering Faculty, Taranto, Italy. June 2-5.

C.25 Zannetti, P. (1998): Air Pollution Modeling. Wessex Institute of Technology, Southampton, UK. April 1998.

C.24 Zannetti, P. (1997): Air Dispersion Modeling and Meteorology. University of California, Berkeley Extension, July.

C.23 Zannetti, P. (1997): Air Pollution Modeling. Wessex Institute of Technology, Southampton, UK. May 1997.

C.22 Zannetti, P. (1997): Air Pollution. Wessex Institute of Technology, Southampton, UK. May 1997.

C.21 Zannetti, P. (1996): Air Dispersion Modeling and Meteorology. University of California, Berkeley Extension, April/May.

C.20 Zannetti, P. (1995): Air Dispersion Modeling and Meteorology. University of California, Berkeley Extension, March/April.

C.19 Zannetti, P. (1994): Air Dispersion Modeling and Meteorology. University of California, Berkeley Extension, March.

C.18 Zannetti, P. (1993): Air Dispersion Modeling and Meteorology. University of California, Berkeley Extension, March.

C.17 Zannetti, P. (1993): Introduction to Air Pollution Modeling. Instituto Tecnologico y de Estudios Superiores de Monterrey, Mexico, 15 February.

C.16 Zannetti, P. (1992): Air Pollution Modeling and Software. Computational Mechanics Institute, Ashurst (Southampton), England, September.

C.15 Zannetti, P. (1990): Air Pollution Modeling and Software. Computational Mechanics Institute, Ashurst (Southampton), England, November.

C.14 Zannetti, P. (1990): Computer Simulation using Particle Modeling. Computational Mechanics Institute, Ashurst (Southampton), England, November.

C.13 Zannetti, P. (1990): Air Pollution Modeling. Department of Meteorology, University of Bergen, Norway. Fall 1990.

C.12 Zannetti, P. (1989): Air Quality Modeling and Software. Computational Mechanics Institute, Ashurst (Southampton), England, April.

C.11 Zannetti, P. (1989): Computer Simulation Using Particle Modeling. Computational Mechanics Institute, Ashurst (Southampton), England, April.

C.10 Pielke, R., J. Seinfeld, I. Tombach, and P. Zannetti (1988): A Short Course on Air Pollution: Simulation Modeling and Measurement Strategies. Monrovia, California, March.

C.9 Pielke, R., J. Seinfeld, I. Tombach, and P. Zannetti (1987): Air Pollution - Simulation Modeling and Measurement Strategies. AeroVironment, February.

C.8 Zannetti, P. (1986): Air quality modeling and software. Computational Mechanics Institute, Ashurst (Southampton), England, June.

C.7 Zannetti, P., J.C.R. Hunt and A.G. Robins (1985): Air Pollution Modeling Course. Computational Mechanics Centre, Ashurst (Southampton), England, September.

C.6 Gopalakrishnan, T.C., and P. Zannetti (1983): Numerical Modeling Course. Kuwait Institute for Scientific Research, Kuwait, December.

C.5 Zannetti, P., and J.C.R. Hunt (1983): Air Pollution Modeling Course. Computational Mechanics Centre, Ashurst (Southamplon), England, May.

C.4 Zannetti, P., and I. Tombach (1983): Air Pollution Course. Kuwait Institute for Scientific Research, Kuwait, January. (See also: Tombach, I. and P. Zannetti (1984) Air Pollution - Part 1: Introduction to Air Pollution and Dispersion Modeling. Prepared for Kuwait Institute of Scientific Research, Kuwait, May 1984. AeroVironment Memorandum AV-M-84/533).

C.3 Zannetti, P., G.I. Jenkins and D.J. Moore (1982): Air pollution modeling course. Computational Mechanics Centre, Southampton, England, May.

C.2 Zannetti, P. (1980): A short course on air pollution modeling. Computational Mechanics Centre (Southampton), England, December.

C.1 Zannetti, P. (1977): 1) Statistical models and their application to data collected in Venice. 2) Statistical programs application to meteorological and air quality data (Computer practical exercise). EURATOM CCM Courses, Modeling and Simulation of Ecological Processes, Ispra, Italy, October.

More than 80 Invited Lectures/Seminars

EXHIBIT B

Diane Zuliani
dzuliani@chabotcollege.edu
office: 510-723-6838

EDUCATION

M.A. in History of Art. University of New Mexico. Albuquerque, New Mexico,1998
Graduate Certificate in Museum Studies. California State University, Long Beach. Long Beach, California,1989
B.A. in Art History. California State University, Long Beach. Long Beach, California,1987

RECENT AWARDS AND GRANTS

2006 **Faculty Service Award**, Awarded by the Disabled Student Resource Center Chabot College, Hayward California

2005 **Outstanding Faculty Contribution Award**, Chabot College, Hayward California (For art gallery/museum studies class)

2003 **Chabot College Institutional Planning and Budget Council Grant** $23,000 grant for creation of art gallery/museum studies lab

PRESENT TEACHING POSITION

2000-present **Chabot College,** Hayward, California
Art History Instructor (with Tenure), Humanities Division

RECENT COLLEGE SERVICE

2007-present **Chabot College**, Hayward, California
President, Academic/Faculty Senate
Represent Faculty to: Board of Trustees, District Chancellor's Council, Chabot College Council, District Curriculum Council

Fall 2007 **Chabot College**, Hayward, California
Faculty Representative, Presidential Search Committee

2007-present **Chabot College**, Hayward, California
Co-Chair, Accreditation Committee, Standard IV (Leadership and Governance)

2007-present **Chabot College**, Hayward, California
Chair, Public Art Committee

2007-present **Chabot College**, Hayward California
Member, Student Learning Outcomes Committee

2006-07 **Chabot College**, Hayward, California
Senator, Faculty Senate

Fall 2006 **Chabot College**, Hayward, California
"Report on the Commission for the Future of Higher Education" talk for the Chabot Faculty Association

2004-05 **Chabot College**, Hayward, California
Chair, Classroom Design Subcommittee

2003-05 **Chabot College**, Hayward, California
Fine Arts Area Curriculum Coordinator

2003-05 **Chabot College**, Hayward, California
Facilities Committee, Fine Arts Area Representative

2001-05 **Chabot College**, Hayward, California
Curriculum Sub-Committee, Fine Arts Area Representative

Summer 2004 **Chabot College**, Hayward, California
Oversaw renovations for conversion of classroom to art gallery

RECENT MUSEUM AND ARTWORLD EXPERIENCE

2006-Present **Hayward Area Historical Society,** Hayward, California
Member of the Board
2005-Present **Chabot College,** Hayward, California
Director, Campus Art Gallery
2001-2003 **Sun Gallery,** Hayward, California
Member of the Board

SELECT PUBLICATIONS

1998 "PhotoWork(s) in Progress / Constructing Identity." Book review. Camerawork (Fall/Winter 1998), Vol. 25, no. 2, pp. 24-25.
1997 "Georgia O'Keeffe by Tony Vaccaro." Magazine article. El Palacio (Summer/Fall 1997), Vol. 102, No. 1, p. 96.
1995 "Diane Arbus and Franz Kafka: Canine Investigations." Journal article. History of Photography Journal (Vol. 19, No. 2, Summer 1995), pp. 127-129.
1988 "Hollywood Glamour Then and Now." Exhibition catalog essay. Max Munn Autrey: OnePhotographer's Hollywood (University Art Museum, California State University, Long Beach, 1988), pp. 54-56.

SELECT PUBLIC LECTURES

2002 "The Assemblages of Christine Sessions-Petty." Sun Gallery, Hayward, California.

1998 "Myth and Meaning in the O'Keeffe Persona." Public lecture at the Georgia O'Keeffe Museum, Santa Fe, New Mexico

1998 "O'Keeffe as a Biographical Subject." Presented for the National Endowment for the Humanities, Ramah, New Mexico

1995 Panelist, "Painting and Politics in the Nineties." Fine Arts Center, University of New Mexico, Albuquerque, New Mexico

RECENT COMMUNITY SERVICE

Fall 2007 Host and moderator of public hearing on Russell City Energy Center and

Eastshore Energy Center power plants at Chabot College, Hayward, California

Fall 2006 Raised $8965.00 for AIDS orphans in Zimbabwe through the "House of Stone" exhibit of Shona sculpture in the Chabot Art Gallery

2005 **United States House of Representatives**, 13th District, California
Juror, Congressional Art Competition

EXHIBIT C

February 2006

SUSAN SPERLING, Ph.D.
CURRICULUM VITAE

EDUCATION

B.A.	6/74	Cum Laude, Anthropology, University of California, Berkeley.
Ph.D.	6/85	Anthropology, University of California Berkeley. (Biological Anthropology)

PROFESSIONAL EXPERIENCE

Instructor in Anthropology and Interdisciplinary Studies in Letters and Sciences, Social Science Division, Chabot College, Hayward, California, 1987-presen.

Teacher/Facilitator in CAB Program (Culture and behavior across the Curriculum), an interdisciplinary program for first and second year medical students at UCSF, 2004-2005

Acting Dean, Social Science Division, Chabot College, Hayward, California, 2000-2001

Lecturer, Medical Anthropology Program, University of California, San Francisco, California, 1995-96, 1986-87

Director, Chabot College Campus Climate Research Project 1993-94

Coordinator of Grants Development and Writing, Chabot College 1992-9.

Lecturer in Physical Anthropology/ Human Sexuality, Department of Anthropology, San Jose State University, San Jose, California, 1986-87

Postdoctoral Research Fellow, Medical Anthropology Program, University of California, San Francisco, 1985-8.

Lecturer in Physical Anthropology, Department of Anthropology, University of California, Berkeley, California, 1981

Researcher Assistant, Primate Behavior Research Colony, Animal Behavior Station, University of California, Berkeley,
1974-79

RESEARCH GRANTS

Ashley Montagu: Biographical Research, National Endowment for the Humanities Fellowship, 2001

The Intellectual Life History of Ashley Montagu: An annotated Bibliography of unpublished Correspondence and Interviews. National Endowment for the Humanities Summer Grant, 2000

The Maya World in Mexico and Central America. National Endowment for the Humanities Summer Seminar 1997

Stress and Adaptation among Recent Immigrants to the San Francisco Bay Area. National Institute of Mental Health Postdoctoral Research Traineeship, Medical Anthropology Program Department of Epidemiology and International Health, University of California, San Francisco, 1985- 1986.

Pre-doctoral Research Traineeship. National Institutes of Health, Department of Anthropology, University of California, Berkeley, 1974- 1979.

PUBLICATIONS

Books:
Ashley Montagu: a Biography. Oxford University Press (forthcoming)

Animal Liberators: Research and Morality, Berkeley: University of California Press (1988).

Articles:
Tribal Secrets and Pollution Anxieties: Ashley Montagu, McCarthyism and Postwar Anthropology. Publication of The Society for Anthropology in the Community Colleges (SACCC), 2005..

Ashley Montagu: Obituary Essay. American Anthropologist (September 2000)

Ashley Montagu Biographical Essay, Oxford Biography of American Lives, Oxford University Press (2000)

Ashley Montagu Biographical Essay, Scribner's Dictionary of American Lives, Charles Scribner, (2000)

Introduction. Ashley Montagu's The Natural Superiority of Women, 5th Edition, Walnut Creek (Ca.): Alta Mira Press (1999)

A Pound of Biology and a Pinch of Culture or a Pinch of Biology and a Pound of Culture? The necessity of integrating biology and culture in reproductive studies With Yewoubdar Beyene in Women in Human Evolution, edited by Lori D. Hager, Routledge Press: London, (1997)

Baboons with Briefcases vs. Langurs with Lipstick. In The Gender Sexuality Reader, edited by Roger N. Lancaster and Micaela di Leonardo, Routledge: New York, (1997)

Baboons with Briefcases: Feminism, Functionalism , and Sociobiology in the Evolution of Primate Gender in Gender and Scientific Authority, eds. Barbara Laslett, et al. 1996, University of Chicago Press.

Evolutionary Biology and Human Paternal Behavior: Comment on Silverstein. Journal of Family Psychology (American Psychological Association) 7:3 (1993).

Baboons with briefcases: functionalism and sociobiology in the evolution of primate gender. SIGNS: Journal of Women in Culture and Society (University of Chicago Press) 17: 1 (1991).

Co-authored with Bernard Weiner. A Cognitive psychology for infrahumans. (Commentary) The Behavioral and Brain Sciences Vol. I, No. 4 (1978).

Co-authored with Carol Stack, et al. Anthropology: A review of changing views of women in anthropology. SIGNS: Journal of Women in Culture and Society. (University of Chicago Press) 1:1 (1975)

BOOK REVIEWS

Review of John Marshall Townsend's What Women Want-What men Want: why the sexes still see love and commitment so differently (Oxford, 1998), and Melford Spiro's Gender ideology and Psychological Reality: an essay on cultural production (Yale, 1998) American Anthropologist (forthcoming/ September 2000).

A Kinder, Gentler Social Darwinism. Reviews of Robert Wright's The Moral Animal, J. Philippe Rushton's Race, Evolution, and Behavior, and Patricia Shipman's The Evolution of Racism, The Nation, 259: 18(1994)

A Jungle of Our Imagination. Review of Donna Haraway's Primate Visions: Gender, Race and Nature in the World of Modern Science. Los Angeles Times Book Review (Sunday, Sept. 17, 1989.)

PAPERS AND OTHER PRESENTATIONS

Tribal Secrets and Pollution Anxieties. Keynote speech, the 2004 Annual Meetings of Society for Anthropology in the Community Colleges, San Francisco, CA.

The Troop Trope: Baboon Behavior as a Model System in the Postwar Period, invited paper presented in Princeton's two-year series of workshops (Model Systems, Cases, and Exemplary Narratives. History of Science Program, Princeton University. (2001) Papers anthologized in forthcoming volume from Duke University Press, eds. Angela Creager, et al.

Reflections on Roger Lancaster's book The Trouble with Nature: Sex in Science and Popular Culture (University of California Press, 2003). Invited Session: April, 2004 Meetings of the American Ethnological Society, Atlanta, Georgia (April).

Organizer and Chair: Presidential Session of the American Anthropological Society Meetings, San Francisco, November 2000: A Most Public Face: Papers in honor of Ashley Montagu.

Ashley Montagu and Human Equality, Speech to the Women's political Caucus of New Jersey, Princeton Marriott Hotel, Princeton, New Jersey, April 12, 2000.

Women who run with the Wolves: American feminist animal rights protest in historical context. AAA invited Panel American Anthropology: as if gender. Race. and class really matter. 93rd Annual Meeting, Atlanta, December 1994.

Primate Primitives: field Studies of monkeys and apes in postcolonial discourse. AAA invited Session Anthropology "the field" as Locus of Study. American Anthropological Association 92nd Annual Meeting, Washington, DC, December 1993.

Anthropology and its Interlocutors: Reflections of the Work of Donna Haraway. AAA invited Session on the Work of Donna Haraway. American Anthropological Association 91st Annual Meeting, San Francisco, California, December 1992.

Cultural Perspectives on Animal Research. History of Science Lecture Series, California Institute of Technology, Pasadena California, springs 1989.

Antivivisection and Animal Rights Movements. Faculty Lecture Series, Integrative Biology Program University of California, Berkeley, California, March 1989.

Historical Roots of the Animal Rights Movement. Public Symposium at University of California Berkeley, Animal Rights vs. Animal Research. October 1988 (organized by the U.C. Berkeley Coalition for Animals and Animal Research).

Primate Attachment Relations: a critical perspective. Session on Primate Development, American Society of Primatologists, Meeting, Madison, Wisconsin, 1987.

Primate Iconography: modern primatology and the remodeling of natural categories. Session on Primate Social Behavior American Anthropological Association 85th Annual Meeting, Philadelphia 1986

Towards a Millennium of Mercy: themes in the protest of animal research. Session on Charisma American Anthropological Association 84th Annual Meeting, Washington, DC., 1985.

COURSES TAUGHT

Undergraduate:
Introduction to Physical Anthropology
Introduction to Cultural Anthropology
Introduction to Archaeology
Introduction to Human Biology
American Culture, Race, and Ethnicity
Film and Anthropology
Human Sexuality
Interdisciplinary Studies in Letters and Sciences (Great Books Program)

Graduate:
Problems in Primate Social Behavior
Biomedicine for Medical Anthropologists
Evolutionary Anthropology (Graduate Seminar in Medical Anthropology)
Culture and behavior across the Medical School Curriculum (CAB at UCSF)

REFERENCES

(Upon Request)

EXHIBIT D

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EDUCATION

Stanford University, Stanford, California, Ph.D. in Sociology of Education, 1988.
Fellowships and Awards: School of Education, Dissertation Research Grant, 1987-1988; Dean of Graduate Studies, Dissertation Fellowship, 1987-1988; Woodrow Wilson National Fellowship Foundation, Women's Studies Grant, 1986-1987.

Stanford University, Stanford, California, M.S. in Statistics, 1985.

San Francisco State University, San Francisco, California, M.A. in Women's Studies, 1979.

Smith College, Northampton, Massachusetts, B.A. in Education, 1973.

RESEARCH/ADMINISTRATIVE EXPERIENCE

Coordinator, Institutional Research and Grants, Chabot College, Hayward, CA. Coordinating the Offices of Institutional Research and Grant Development. Supervising full-time Research Analyst, full-time Grant Developer/Writer, and part-time programmer and clerical assistant. Developing and implementing the agendas and priorities for institutional research and grant development based on the strategic planning priorities of the college. Took leadership role in development of college strategic plan and accreditation self-study. (2000-present, *on Sabbatical Leave 2002-03*).

Co-chair, Institutional Planning and Budget Council, Develops yearly planning agenda and timelines, facilitates revisions of strategic plan and yearly planning objectives, develops meeting agendas and minutes, develops and provides background training and informational materials for members (2003-2005).

Visiting Scholar, International Centre for Higher Education Management (ICHEM), School of Management, University of Bath, Bath, England. Conducted research and wrote report on strategic planning in further education colleges in England.(October-December, 2002).

Institutional Researcher, Chabot College, Hayward, CA. Directed Office of Institutional Research, developed Institutional Research database of historical and current student data, provided statistical reports on student characteristics, directed and analyzed assessment instrument validation studies for English, Math, and ESL, conducted and reported cross-sectional and longitudinal studies of

student access, equity, course completion and success, persistence, and transfer, conducted biennial student satisfaction surveys and accreditation surveys, provided research consultation for administration, faculty, and student research projects, provided internal evaluation of Title III Grant, and conducted other studies (1993-2000).

Project Director, Research Grant: Why Underrepresented Students Stay in Community College and Why they Leave. Obtained 2-year grant from California Community Colleges Chancellor's Office to conduct a quantitative and qualitative study of the major factors that influence underrepresented and other students to persist toward their educational goals or to leave before completing them. Hired nine students as research assistants. Conducted focus groups, mail surveys, classroom surveys, and interviews. Disseminated and presented results on campus to improve student support services. Presented results at state and national institutional research conferences (1998-2000)

Principal Investigator, Research Grant: Using National Data Sets to Create Comparable National Statistics for the Student Characteristics and Outcomes in Community Colleges. Obtained research grant from AIR (The Association for Institutional Research) and NCES (National Center for Education Statistics) to test and demonstrate the use of NCES data sets for institutional researchers in community colleges. Presented results to state and national AIR conferences. Wrote final report as guidebook for researchers (1996-1997).

Senior Research Associate, MPR Associates, Inc., Berkeley, CA. Directed, designed, and produced statistical reports on educational topics in higher education, vocational education, and elementary-secondary education, using advanced statistical, analysis, and research methods. Selected research projects are listed below (1989-93).

OTHER RESEARCH AND PROFESSIONAL EXPERIENCE

Co-chair, California Community Colleges Vocational Training and Education Act (VTEA) Advisory Committee (2000-2002).

Board Member, Research and Planning Group (RP Group) of the California Community Colleges. Held positions of Northern Officer, Information Officer, and Vice-President—North. Served as RP Group representative to state Matriculation Assessment Work Group and state Vocational Education Research and Accountability Task Force (1994-2000).

Research Associate, Aguirre International, San Mateo, CA. Managed quantitative data analysis for large national study of bilingual education programs. Coordinated and performed descriptive and multivariate statistical analyses of quantitative data from more than 25 survey and test instruments (1989).

Study Director, DeAnza College and New View Program, Cupertino, CA. Proposed, designed, conducted, analyzed, and reported the economic returns to education for a study of community college vocational education graduates in computer science. Conducted mail survey and field interviews (1986-88).

Equal Employment Opportunity Specialist, Amdahl Corporation, Sunnyvale, CA. Analyzed corporate employment data by gender and race and wrote reports. Compiled and wrote corporate Affirmative Action Plan (1985; 1988).

Treasurer, Stanford University, Graduate Women's Network, Stanford, CA. Prepared and managed budgets, wrote financial reports, developed and presented funding proposals, coordinated campuswide events (1985-87).

Research Assistant, Stanford University, School of Education, Stanford, CA. Developed research designs and used statistical and qualitative methods to examine economic returns to education, salary differences, and occupational segregation by gender. Analyzed U.S. BLS and Census data. Conducted field interviews. Co-authored two published articles and one working paper (1983-87).

Project Associate, Far West Laboratory for Educational Research and Development, San Francisco, CA. Significant Bilingual Instructional Features Study (1981-83): managed large database of classroom observations and performed statistical computing. Displaced Homemakers Status Study (1980-81): conducted literature review, compiled and analyzed California Census data by computer, and wrote statistical report (1980-83).

Social Scientist, National Jury Project, Oakland, CA. Accessed and interpreted computerized statistical data. Compiled annotated bibliography of research on jury issues (1979-80).

Graduate Student, San Francisco State University, San Francisco, CA. Analyzed issues of gender in education and employment. Designed and conducted follow-up study of the education and employment of workers at a community clinic (1977-79).

Funding and Health Services Coordinator, Berkeley Women's Clinic, Berkeley, CA. Wrote funding proposal, lobbied for and administered County Revenue Sharing Grant. Coordinated mental health and health education services (1975-77).

TEACHING EXPERIENCE

Adjunct Faculty, Stanford University, School of Education, Stanford, CA. Taught Gender and Education (1995).

Instructor, Chabot College, Social Sciences Division, Hayward, CA. Taught Introductory Statistics for the Behavioral Sciences (1994).

Adjunct Faculty, University of San Francisco, School of Education, San Francisco, CA. Taught graduate course, Research Methods in Education (1993).

Teaching Assistant, Stanford University, School of Education, Stanford, CA. Developed materials, lectured, and led discussions on the analysis of research and educational statistical data and on class readings (1985).

Instructor, Cañada College, Social Sciences Division, Redwood City, CA. Taught Social

Science Statistics, Social Science Research Methods, Introduction to the Social Sciences, Sociology of Sex Roles. Conducted and analyzed campuswide survey of student services needs (1979-83).

Selected Research projects at MPR (1989-1993):
Project Director, Study of Correlates of Mathematics Achievement in the 1990 NAEP: Grades 4, 8, and 12. Obtained grant from U.S. Department of Education. Used HLM to examine school characteristics that predict overall and higher order mathematics achievement. Tested new predictors of effects of gender and race–ethnicity on achievement. Directed software development that interfaces HLM with NAEP data (1992-93).

Task Director, Provided technical assistance to the National Association for the Advancement of Black Americans in Vocational Education, under contract to the National Center for Research in Vocational Education (NCRVE). Wrote proposal for conference on increasing participation of Black Americans in high-skill and technology occupations. Compiled and analyzed quantitative and qualitative data and wrote NCRVE report on the status of Black Americans in vocational education (1990-92).

Task Director, Analysis of Teacher Supply and Demand, under contract to the National Center for Education Statistics (NCES). Described components of teacher supply and demand and developed a multivariate model of attrition using the 1987-88 Schools and Staffing Survey. Defined the task, formulated and wrote the analysis plan, developed descriptive tables and a multivariate attrition model, and wrote the draft report (1990-92).

Analyst, A Study for Mississippi's Commission on Work Force Excellence. Evaluated state vocational education system; interviewed high school teachers, principals, superintendents, community college instructors, and administrators; observed classes and vocational facilities; and analyzed findings and developed recommendations (1990-91).

Analyst, Analysis of School Environment and Educational Achievement in Mathematics and Science, under contract to NCES. Used HLM to examine the relationship between school-level characteristics and individual math and science achievement for a nationally representative sample of 3rd, 7th, and 11th graders using 1985-86 National Assessment of Educational Progress data (1990-91).

Task Director, Analysis of Traditional and Nontraditional Postsecondary Students for NCES. Identified and described the characteristics of traditional and nontraditional students according to their demographics, educational and financial status, and sources of financial support using data from the 1986-87 National Postsecondary Student Aid Study (1989-91).

Task Director, Predicting Maintenance and Operations Costs Study for the California State Universities (CSU). Performed factor, cluster, and regression analysis to determine the smallest number of components necessary to predict plant maintenance and operation costs for nine campuses of CSU. Identified, gathered, and checked data sets; authored the final report; and presented the findings (1989-90).

PUBLICATIONS

Using National Data Sets to Create Comparable National Statistics for the Student Characteristics and Outcomes in Community Colleges, report prepared for the AIR/NCES/NSF Improving Institutional Research in Postsecondary Educational Institutions Research Grant Program, October, 1997.

Using HLM and NAEP Data to Explore School Correlates of 1990 Mathematics and Geometry Achievement in Grades 4, 8, and 12: Methodology and Results, report prepared for the National Center for Education Statistics, Office of Educational Research and Improvement, U.S. Department of Education, January, 1995.

Modeling Teacher Supply and Demand, with Commentary, with Susan Choy and Sharon Bobbitt, report prepared for the National Center for Education Statistics, Office of Educational Research and Improvement, U.S. Department of Education, June 1993.

"Using Hierarchical Linear Models (HLM) to Identify School-Level Effects on Gender and Race-ethnicity Differences in Mathematics Achievement," presentation prepared for the American Educational Research Association, Atlanta, Georgia, April, 1993.

"Results from the 1990 NAEP Data Reporting Program: An HLM Analysis of School-level Instructional Methods on Geometry Achievement and Differences in Geometry Achievement by Gender and Race-ethnicity in Grades 4, 8, and 12," paper prepared for the American Educational Research Association, Atlanta, Georgia, April, 1993.

"Multivariate Procedures in the Scaling and Analysis of NAEP Data: Using Hierarchical Linear Models on NAEP Data," paper prepared for the American Educational Research Association, Atlanta, Georgia, April, 1993.

Black Americans and Vocational Education: Participation in the 1980s, with Karen Levesque, Berkeley, CA: National Center for Research in Vocational Education, December, 1992.

"An Introduction to Hierarchical Linear Models" *Measurement and Evaluation in Counseling and Development 25,* 2(July): 58-90, 1992.

National Assessment of Educational Progress: School Effects on Educational Achievement in Mathematics and Science: 1985-86, with Phillip Kaufman and Deborah Sedlacek, report prepared for the National Center for Education Statistics, Office of Educational Research and Improvement, U.S. Department of Education, June, 1992.

Undergraduate Coursework of Prospective and Actual Teachers Among 1972 High School Graduates, draft report prepared for the National Center for Education Statistics, Office of Educational Research and Improvement, U.S. Department of Education, June 1991.

"School Effects on the Relationship Between Science Achievement and Gender, Race-

ethnicity, and SES in Grades Three, Seven, and Eleven: 1985-86," with Phillip Kaufman and Deborah Sedlacek, paper prepared for the American Educational Research Association, Chicago, April 1991.

Predicting Maintenance and Operations Costs for the California State Universities, with Susan Choy, report prepared for California State University, July 1990.

"Trends in Postsecondary Persistence Revisited: Decreasing Persistence or Changing Educational Goals," with Eva Eagle, paper prepared for the American Educational Research Association, Boston, April 16, 1990.

"Salary and Occupation by Gender Among Community College Computer Science Graduates," unpublished dissertation, Stanford University, 1988.

"Salary, Job Satisfaction, and Stress Among Women Clerical Workers, Women Managers, and Men Managers," with Myra Strober, working paper, Stanford University: Institute for Research on Women and Gender, 1988.

"Integrated Circuits/Segregated Labor: Women in Computer-Related Occupations and High-Tech Industries," with Myra Strober, in Heidi I. Hartmann (ed.), *Computer Chips and Paper Clips: Technology and Women's Employment,* Vol. II, Washington, DC: National Academy Press, 1987.

"The Dynamics of Occupational Segregation Among Bank Tellers," with Myra Strober, in Claire Brown and Joseph A. Pechman (eds.), *Gender in the Workplace,* Washington, DC: Brookings Institute, 1987.

Book Review of V. Haas and C. Perrucci (eds.), *Women in the Scientific and Engineering Professions;* J. Rothschild (ed.), *Machina Ex Dea: Feminist Perspectives on Technology;* and J. Zimmerman, *The Technological Woman: Interfacing with Tomorrow;* in *Signs: Journal of Women and Culture* 10, 4 (Summer): 803-06, 1985.

A Statistical Report on the Status of Displaced Homemakers in California, with Matilda Butler, Vocational Education Division, California State Department of Education, 1981.

Papers Presented at:

Annual Research Conference of the Research and Planning Group for the California Community Colleges, Asilomar, Monterey, California, April, 2002.

Hispanic Nurses Association Annual Awards Dinner, Berkeley, California, November, 2000.

Community College League of California Annual Convention, Los Angeles, California, November, 2000.

Annual Research Conference of the Research and Planning Group for the California Community Colleges, Lake Arrowhead, California, April, 1999.

California Association for Institutional Research Annual Conference, San Diego, California, November, 1998.

Annual Research Conference of the Research and Planning Group for the California Community Colleges, Tahoe City, California, April, 1998.

Annual Forum of the Association for Institutional Research, Lake Buena Vista, Florida, May, 1997.

Annual Research Conference of the Research and Planning Group for the California Community Colleges, Long Beach, California, April, 1997.

California Association for Institutional Research Annual Conference, Costa Mesa, California, November, 1996.

Annual Research Conference of the Research and Planning Group for the California Community Colleges, Berkeley, California, April, 1996.

American Educational Research Association, New York, New York, April 1996.

Research Workshop of the Research and Planning Group for the California Community Colleges, Foothill College, Los Altos Hills, California, March, 1996.

Annual Research Conference of the Research and Planning Group for the California Community Colleges, Tahoe City, California, March, 1994.

Advanced Studies Seminar on the Use of NAEP Data for Research and Policy Discussion, National Center for Education Statistics, U.S. Department of Education, August, 1993.

American Educational Research Association, Atlanta, Georgia, April 1993.

American Educational Research Association, Chicago, Illinois, April 1991.

American Educational Research Association, Boston, Massachusetts, April 1990.

American Educational Research Association, New Orleans, Louisiana, April 1988.

National Women's Studies Association, Atlanta, Georgia, June 1987.

Center for Research on Women, Stanford University, Corporate Seminar, Raychem Corporation, June 1985.

National Women's Studies Association, Seattle, Washington, June 1985.

National Academy of Sciences, National Research Council, Committee on Women's Employment and Related Social Issues, Panel on Technology and Women's Employment,

Washington, DC, February 1985.

American Educational Research Association, Special Interest Group/Research on Women and Education, Los Angeles, California, November 1984.

American Educational Research Association, New Orleans, Louisiana, April 1984.

National Women's Studies Association, Lawrence, Kansas, June 1979.

BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION OF THE STATE OF CALIFORNIA

APPLICATION FOR CERTIFICATION FOR THE EASTSHORE ENERGY CENTER IN CITY OF HAYWARD BY TIERRA ENERGY	**Docket No. 06-AFC-6** **PROOF OF SERVICE (Revised 1111412007)**

INSTRUCTIONS: All parties shall either (1) send an original signed document plus 12 copies or (2) mail one original signed copy AND e-mail the document to the address for the Docket as shown below, AND (3) all parties shall also send a printed or electronic copy of the document, which includes a Proof of service declaration to each of the individuals on the proof of service list shown below:

CALIFORNIA ENERGY COMMISSION
Attn: Docket No. 06-AFC-6
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512
docket@energy.state.ca.us

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Caryn Holmes, Staff Counsel
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Public Adviser
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DECLARATION OF SERVICE

I, Ervietta McCullough, declare that on **November 19, 2007**, I deposited copies of the attached **Joint Petition to Intervene By Chabot-Las Positas Community College District and Chabot-Las Positas Faculty Association as Agencies; Memorandum of Points and Authorities; Declarations of Joel L. Kinnamon and Susan Sperling; Prehearing Conference Statement and Issue and Witness Identification;** in the United States mail at San Francisco , California with first-class postage thereon fully prepaid and addressed to those identified on the Proof of Service list above.

OR

Transmitted via facsimile transmission to those identified above with a Fax number.

OR

Transmission via electronic mail was consistent with the requirements of the California Code of Regulations, title 20, sections 1209, 1209.5, and 1210. All electronic copies were sent to all those identified on the Proof of Service list above.

I declare under penalty of perjury that the foregoing is true and correct.

Ervietta McCullough