



REPUBLIKA NG PILIPINAS
REPUBLIC OF THE PHILIPPINES
KAGAWARAN NG EDUKASYON, KULTURA AT ISPORTS
DEPARTMENT OF EDUCATION, CULTURE AND SPORTS
UL Complex, Meralco Avenue
Pasig, Metro Manila

TANGGAPAN NG KALIHIM
(OFFICE OF THE SECRETARY)

July 5, 1999

DECS MEMORANDUM
No. 284, s. 1999

FOURTH NATIONAL ENERGY QUIZ SHOW

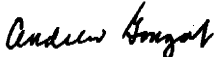

To: Bureau Directors/Regional Directors
Schools Division Superintendents
Private Secondary Principals

1. The U.P. Solar Laboratory (UPSL), in cooperation with the **Department of Education, Culture and Sports (DECS)** and the **Department of Energy (DOE)**, with support from the **Department of Science and Technology (DOST)**, **Department of Interior and Local Government (DILG)**, and the **Philippine Solar Energy Society (PSES)**, is pleased to announce the holding of the *Fourth National Energy Quiz Show (NEQS)*. The dates and venues of the *NEQS* are listed in **Inclosure 1**.
2. The 4th *NEQS* is a national inter-high school team competition organized to inculcate awareness of sustainable development and judicious utilization of energy resources for the betterment of the country's economy and environment. Furthermore, it challenges students to pursue careers in energy-related fields.
3. The 4th *NEQS* is open to all students of both *public* and *private secondary schools* nationwide. The **roles of the organizer (UPSL)**, cooperating agencies (**DECS, DOE, DILG** and **DOST**) are in **Inclosure 2**. The **implementing rules and guidelines** relative to the quiz show are in **Inclosure 3**.
4. A **Registration Fee of P 50.00**, chargeable against local funds, subject to availability and the school's budget priorities, shall be collected from each of the participating teams for the procurement of the quiz materials and the honoraria of the proctors. Payment shall be collected upon submission of the duly accomplished registration form to the nearest **DECS Division Office**. Transportation and other incidental expenses of the students/participants, advisers, and/or officials relative to their attendance to the quiz show may be charged against local funds, subject to availability and the usual accounting and auditing rules and regulations. Financial support may also be sourced from the local government unit. Participants from private high schools may coordinate with their respective institutions regarding their financial requirements.

For further details, please contact:

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Immediate and wide dissemination of this Memorandum is desired.


ANDREW GONZALEZ, FSC
Secretary 

Incl.: As stated

Reference: DECS Memorandum: No. 221, s. 1998

Allotment: 1--(D.O. 50-97)

To be indicated in the Perpetual Index
under the following subjects:

CONTESTS (Energy Quiz Show)
STUDENTS

DATES AND VENUES OF THE 4th NATIONAL ENERGY QUIZ SHOW

1. The DECS Regional Coordinators Meeting shall be held on July 28, 1999 at the National Engineering Center, University of the Philippines, Diliman, Quezon City.
2. Deadline for the filing of application forms shall be on August 20, 1999, 3:00 pm at the nearest DECS Division Office.
3. The Division Level Elimination shall be held on August 27, 1999 at a designated testing center in each DECS Division in different parts of the country.
4. The Regional Level Elimination shall be held on the following dates and venues:

REGION	VENUE	DATE
Region I	San Fernando City	Oct. 26, 1999
CAR	La Trinidad, Benguet	Oct. 26, 1999
Region II	Tuguegarao, Cagayan	Oct. 8, 1999
Region III	Angeles City	Oct. 26, 1999
Region IV	Lipa City	Oct. 15, 1999
NCR	Quezon City	Oct. 1, 1999
Region V	Legaspi City	Oct. 22, 1999
Region VI	Iloilo City	Oct. 12, 1999
Region VII	Cebu City	Oct. 15, 1999
Region VIII	Tacloban City	Oct. 19, 1999
Region IX	Zamboanga City	Oct. 5, 1999
Region X	Cagayan de Oro City	Oct. 19, 1999
Region XI	Davao City	Oct. 15, 1999
Region XII	Cotabato City	Oct. 7, 1999
ARMM	Cotabato City	Oct. 6, 1999
CARAGA	Butuan City	Oct. 22, 1999

5. The Regional Finals shall be held on the same afternoon after the Regional Level Elimination.
6. Qualifiers to the National Semifinals are given until November 15, 1999 to commit their participation.
7. The Energy Educational Tour, a visit to several energy and power producing facilities, shall be held on December 6, 1999.
8. The National Semifinals and Finals shall be held on December 7, 1999 at the University Theater, Villamor Hall, University of the Philippines, Diliman, Quezon City as part of the National Energy Week Celebration.

**ROLES OF
ORGANIZING, COOPERATING, AND SUPPORTING AGENCIES IN THE
4th NATIONAL ENERGY QUIZ SHOW**

I. UNIVERSITY OF THE PHILIPPINES SOLAR LABORATORY (UPSL)

The UPSL is the organizer of the 4th National Energy Quiz Show and is responsible in the overall coordination and implementation of the project. UPSL shall:

1. Draw up plans, schedule and budget of the 4th NEQS;
2. Provide a National Secretariat for the over-all coordination of the quiz show;
3. Organize working committees and coordination meetings with cooperating and supporting agencies;
4. Issue and enforce implementing guidelines, rules and regulations;
5. Develop and formulate questions for the Division Level Elimination, Regional Level Elimination, Regional Finals, National Semifinals and National Finals;
6. Design and handle the production of quiz materials, i.e. certificates, medals, plaques, trophies, questionnaires, answer sheets, etc;
7. Provide judges and consultants for all the quiz shows;
8. Supervise Regional Level Elimination and Regional Finals to be implemented by the Regional Committee chaired by the DECS Regional Coordinators;
9. Supervise the Energy Education Tour to be implemented by the DOE;
10. Manage the staging of the National Semifinal and Finals;
11. Prepare progress and executive reports.

II. DEPARTMENT OF ENERGY (DOE)

The DOE is a cooperating agency to the 4th National Energy Quiz Show. DOE shall:

1. Provide a National Coordinator representing DOE in the Working committees created by UPSL for the over-all implementation of the project;
2. Provide Regional Coordinators as members of the Regional Committees to be headed by DECS Regional Coordinators for the implementation of the regional activities;
3. Issue official endorsements for the promotion of the NEQS;
4. Include the 4th NEQS as an official activity of DOE during the National Energy Week;

5. Provide assistance in research and development for quiz/questions formulation;
6. Handle the Energy Education Tour;
7. Facilitate communication with DOE attached agencies such as PNOC, NEA, and NPC and field offices in Visayas and Mindanao and the Affiliated Non-Conventional Energy Centers to ensure their support for the 4th NEQS.

III. DEPARTMENT OF EDUCATION, CULTURE AND SPORTS (DECS)

The DECS is a cooperating agency to the 4th National Energy Quiz Show. DECS shall:

1. Provide a National Coordinator representing DECS in the working committees created by UPSL for the over-all implementation of the project;
2. Provide Regional Coordinators to Chair of the Regional Committees which are responsible for the implementation of the Regional Level Elimination and Regional Finals. Each Regional Committee is composed of the Regional Coordinators from DECS, DOE, DOST, DENR, DILG and other supporting organizations;
3. Coordinate promotion of the 4th NEQS among the schools nationwide by establishing communication with its Regional and Division offices and schools nationwide through issuance of memoranda pertaining to the quiz show;
4. Ensure attendance of DECS representatives in the Regional Coordinators Meeting;
5. Administer the Division Level Elimination:
 - a. Organize Division Level Elimination Examination Committee;
 - b. Coordinate reproduction of questionnaires and answer sheets for the Division Level Elimination;
 - c. Handle dissemination of information to all schools;
 - d. Provide testing centers;
 - e. Provide proctors and checkers;
 - f. Handle checking of papers and ranking of students/team scores to be submitted to the organizer;
 - g. Proclaim winners;
6. Implement with UPSL the Regional Level Elimination and Regional Finals in cooperation with DOE field offices and Affiliated Non-Conventional Energy Centers, DOST Regional Offices, DENR Regional Offices and DILG Regional offices:
 - a. Provide the venue for the quiz show;
 - b. Provide the proctors and checkers;
 - c. Coordinate the arrangement of the venue including the seating arrangement, arrangement of the stage, and handle the flow of the program;

- d. Coordinate meetings in preparation for the quiz show:
 - Instructions to the proctors and checkers
 - Finalization of the venue's arrangement
 - Program
7. Provide at least 1000 students as audience for the National Semifinals and Finals. Audience shall constitute students coming from nearby schools and/or from participating schools.

IV. PHILIPPINE SOLAR ENERGY SOCIETY (PSES)

The PSES is a cooperating agency to the 4th National Energy Quiz Show. PSES shall:

1. Coordinate promotion and marketing activities to finance the requirements of the 4th NEQS;
2. Design sponsorship packages for solicitation;
3. Solicit funds from the private sector to finance the 4th NEQS;
4. Enter into agreement with other organizations to promote and market the 4th NEQS;
5. Keep record and issue receipts of the solicited funds from advertisers and sponsors;
6. Manage solicited funds for the quiz show.

V DEPARTMENT OF SCIENCE AND TECHNOLOGY (DOST)

The DOST is a supporting agency to the 4th National Energy Quiz Show. DOST shall:

1. Provide a National Coordinator to represent DOST in the working committee created by UPSL for the over-all implementation of the project;
1. Provide Regional Coordinators to work with the Regional Committees headed by the DECS Regional Coordinators;
2. Provide materials for the development of questions;
3. Provide manpower support for the National Semifinals and National Finals;
4. Provide judges for the Regional Finals.

VI. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR)

The DENR is a supporting agency to the 4th National Energy Quiz Show. DENR shall:

2. Provide a National Coordinator to represent DENR in the working committee created by UPSL for the over-all implementation of the project;
3. Provide Regional Coordinators to work with the Regional Committees headed by DECS Regional Coordinators;
4. Provide materials for the development of questions;
5. Provide manpower support for the National Semifinals and National Finals;
6. Provide judges for the Regional Finals.

VII. DEPARTMENT OF INTERIOR AND LOCAL GOVERNMENT (DILG)

The DILG is a supporting agency to the 4th National Energy Quiz Show. DILG shall:

1. Provide a National Coordinator to represent DILG in the working committee created by UPSL for the over-all implementation of the project;
2. Provide Regional Coordinators to work with the Regional Committees headed by DECS Regional Coordinators;
3. Provide manpower support particularly security during the Regional Level Elimination, Regional Finals, National Semifinals and National Finals;
4. Encourage local government units to support the participants of the Regional Level Elimination, Regional Finals, National Semifinals and National Finals particularly transportation costs.

IMPLEMENTING RULES AND GUIDELINES 4th NATIONAL ENERGY QUIZ SHOW

I. Registration

- A. All DECS or DOST accredited high schools and State University-attached high schools may join the contest.
- B. Each school may send a maximum of one team only. If the school has extension units, each campus may send their own team, independent of the main school.
- C. Each team shall be composed of students from the same school or the same campus if the school has extension units.
- D. Each team shall be composed of **three (3) to four (4) members**. *The fourth member shall serve as an alternate during the Regional Finals, National Semi-Finals, and the National Finals* where only three members per team shall be allowed onstage at a time.
- E. Each team shall have one official coach only. If a team has no coach, the privilege shall be given to the principal or a school representative.
- F. There shall be a **P50.00 registration fee per team**. Payment shall be collected upon submission of the duly accomplished registration form to the nearest DECS Division Office.
- G. Participants must confirm their registration by phone, fax, mail, e-mail through the nearest DECS Division Office on or before August 20, 1999, 3:00 pm.
- H. The team reserves the right to withdraw any team member and replace with a new member provided that the Coach submits a new registration form to the DECS Division Office at least three (3) working days before the date of the Division Elimination. Failure to do so shall merit a penalty of P100.00 in cash unless a valid reason can be provided in support of the withdrawals (e.g. illness, death in the family, death, etc.).

II. Competition Proper

A. Elimination Round – Division Level (First Level)

- 1. The Division Level Elimination is a written examination and shall be held on August 27, 1999.
- 2. There shall be a testing center located in each DECS division in different parts of the country.
- 3. Participating schools must take the examination in the designated venue of their respective DECS division.

4. All teams are requested to arrive at least fifteen (15) minutes early for the scheduled round. Each participant must bring their school ID, pencils, erasers, and at least two (2) ballpens (black and/or blue only).
5. The examination shall last two hours. No extensions shall be extended to students who fail to arrive at the testing center on time. Only registered students shall be allowed to participate in the elimination round.
6. The examination shall be composed of energy and environment-related questions in the following categories:
 - (a) General Information and Current Events
 - (b) Mathematics
 - (c) Science
 - (d) Technology
7. **All registered team members are required to take the written examination.** Only members who took the examination shall be considered official members of the team and may advance to the next level.
8. No participant shall be allowed without legitimate reason to leave the testing room once the examination has started. He/she shall be accompanied by a committee-approved individual if allowed to do so.
9. The quiz committee reserves the right to disqualify any team that has any member who cheats during the duration of the round.
10. At the end of the round, all materials given at the start must be submitted to the proctors (question sheets, answer sheets and scratch papers). Late papers shall not be accepted.
11. The team score shall be equal to the total of the three (3) best scores among the members of the team.
12. **The top three (3) schools of each DECS division shall qualify for and advance to the Regional Level Elimination Round.**

B. Elimination Round – Regional Level (Second Level)

1. The Regional Level Elimination shall be participated in by the top three (3) schools in each division in the Division Level Elimination. Each ranked school shall be asked to confirm its attendance to the Regional Level Elimination to the Division Office at least ten (10) working days before it is held. If any of the top-ranked division level schools fail to confirm or waive their right to send their qualifiers, the DECS Division Office has the right to transfer and award the privilege to the next ranked schools in the division.

2. The Regional Level Elimination is a written examination.
3. There shall be a testing center located in each region:

REGION	VENUE	DATE
Region I	San Fernando City	Oct. 26, 1999
CAR	La Trinidad, Benguet	Oct. 26, 1999
Region II	Tuguegarao, Cagayan	Oct. 8, 1999
Region III	Angeles City	Oct. 26, 1999
Region IV	Lipa City, Batangas	Oct. 15, 1999
NCR	Quezon City	Oct. 1, 1999
Region V	Legaspi City	Oct. 22, 1999
Region VI	Iloilo City	Oct. 12, 1999
Region VII	Cebu City	Oct. 15, 1999
Region VIII	Tacloban City	Oct. 19, 1999
Region IX	Zamboanga City	Oct. 5, 1999
Region X	Cagayan de Oro City	Oct. 19, 1999
Region XI	Davao City	Oct. 15, 1999
Region XII	Cotabato City	Oct. 7, 1999
ARMM	Cotabato City	Oct. 6, 1999
CARAGA	Butuan City	Oct. 22, 1999

4. Participating schools must take the Regional Level Elimination Examination in the designated venue of their DECS division.
5. All teams are requested to arrive at least fifteen (15) minutes early for their scheduled round. Each participant must bring their school ID, pencils, erasers, and at least two (2) ballpens (black and/or blue only).
6. Each examination shall last 90 minutes. No extensions shall be extended to students who fail to arrive at the testing center on time. Only qualified teams with official registered members shall be allowed to participate in the Regional Level Elimination.
7. The examination shall be composed of energy and environment-related questions in the following categories:
 - (a) General Information and Current Events
 - (b) Mathematics
 - (c) Science
 - (d) Technology
8. **All registered team members are required to take the written examination.** Only members who took the examination shall be considered official members of the team and may advance to the next level.
9. No participant shall be allowed without legitimate reason to leave the testing room once the examination has started. He/she shall be accompanied by a committee-approved individual if allowed to do so.

10. The quiz committee reserves the right to disqualify any team that has any member who cheats during the duration of the round.
11. At the end of the round, all materials given at the start must be submitted to the proctors (question sheets, answer sheets and scratch papers). Late papers shall not be accepted.
13. The team score shall be equal to the total of the three (3) best scores among the members of the team.
12. **The top five (5) schools for each region shall qualify for the Regional Finals,** which shall be held on the afternoon of the same day.
13. All participating schools, students and coaches shall be awarded a certificate of recognition.

C. Regional Finals

1. The top five (5) schools for each region shall advance to the Regional Finals which shall be held on the afternoon of the same day as the Regional Level Elimination.
2. The Regional Finals shall be conducted in a Quiz Show Format wherein all the participating schools are seated on-stage and show their answer to the audience through an answer sheet all at the same time.
3. Rules and Regulations
 - a) At least two (2) team members should be present fifteen (15) minutes before the show starts; otherwise the team shall be disqualified from joining. Late team members can only join the quiz show during intermission periods.
 - b) All members of the qualified teams must present their school ID's before the Quiz Show starts.
 - c) The Quiz Show shall have three (3) rounds: Easy, Average, and Difficult. There shall be ten (10) EASY questions, seven (7) AVERAGE questions and five (5) DIFFICULT questions. The questions to be asked shall be from the following energy and environment categories:
 - (1) General Information and Current Events
 - (2) Mathematics
 - (3) Science
 - (4) Technology
 - d) Each team shall be provided with scratch papers, pens, permanent markers and a set of answering sheets. Other items on the table of each team other than those mentioned may be requested to be removed.

- e) **Calculators shall not be allowed.**
 - f) Each question must be answered within the time allocated for it. The time limit shall be read before the question itself is read. All teams must stop writing when the time limit expires. Teams caught violating this rule shall be disqualified in answering the current question.
 - g) The quizmaster shall read each question twice and the time shall start only after the quizmaster says so. The contestants may begin writing their answers while the question is being read.
 - h) Each team must write their final answer on the answer sheet. A team must have only one answer per question. If multiple answers are written on the answer sheet, the team must encircle their final answer, otherwise, their answer shall be considered incorrect.
 - i) All answers must be spelled correctly to be considered correct. If the answer is a proper noun, capitalization of the first letter of the word is also a basis in declaring an answer as correct.
 - j) Questions shall indicate the number of significant figures for numerical answers
 - k) After the time limit as expired, each team must show their answer to the audience before the quizmaster reads the correct answer. The quizmaster shall acknowledge whether the answer of each team is correct or not.
 - l) If the quizmaster cannot determine the validity of an answer, the board of judges must decide on the matter. The decision of the board of judges is final.
 - m) Substitution of members may be done only during round intermission periods. There shall be intermission periods at these points:
 - (1) after the fifth question of the EASY round
 - (2) after the last question of the EASY round
 - (3) after the fourth question of the AVERAGE round
 - (4) after the last question of the AVERAGE round
 - n) The total score of a team after three rounds shall be the final score of the team.
 - o) In case of a tie, a Clincher Round shall be played. It shall be a sudden death playoff between or among the teams with equal scores until a winner emerges.
 - p) Solutions may be checked. The judges have the last say.
4. All participating schools, students and coaches shall be awarded with certificates of recognition.

5. PRIZES

The top three teams of the Regional Finals shall receive the following:

Champion	P 5,000.00	Trophy/Medals and other items
Second Place	P 3,000.00	Trophy/Medals and other items
Third Place	P 2,000.00	Trophy/Medals and other items

6. **Only the Regional Champion shall qualify for the National Semi-Final Round.**

D. National Semi-Finals

1. The National Energy Quiz Show (NEQS) shall be held on **December 7, 1999** in Quezon City. It shall be participated in by the champion of each region.
2. The Regional Finals shall be conducted in a Quiz Show Format wherein the participating schools are seated on-stage and all schools give their answer through an answer sheet at the same time.
3. Qualifiers for the National Energy Quiz Show are given until **November 15, 1999** to commit their participation for the said event. ***The National Quiz Committee reserves the right to disqualify any school that does not signify their commitment to participate in the NEQS and may award the privilege to the next ranked school in the Region.***
4. Registered qualifiers in the NEQS shall be awarded free transportation from their place of origin to the venue and vice-versa as well as free board and lodging.

5. **Rules and Regulations**

- a) All members of the qualified teams must present their school ID's before the Quiz Show starts.
- b) The Quiz Show shall have three (3) rounds: Easy, Average, and Difficult. There shall be ten (10) EASY questions, seven (7) AVERAGE questions and five (5) DIFFICULT questions. The questions to be asked shall be from the following energy and environment categories:
 - (1) General Information and Current Events
 - (2) Mathematics
 - (3) Science
 - (4) Technology
- c) Each team shall be provided with scratch papers, pens, permanent markers and a set of answering sheets. Other items on the table of each team other than those mentioned may be requested to be removed.

- d) **Calculators shall not be allowed.**
 - e) Each question must be answered within the time allocated for it. The time limit shall be read before the question itself is read. All teams must stop writing when the time limit expires. Teams caught violating this rule shall be disqualified in answering the current question.
 - f) The quizmaster shall read each question twice and the time shall start only after the quizmaster says so. The contestants may begin writing their answers while the question is being read.
 - g) Each team must write their final answer on the answer sheet. A team must have only one answer per question. If multiple answers are written on the answer sheet, the team must encircle their final answer, otherwise, their answer shall be considered incorrect.
 - h) All answers must be spelled correctly to be considered correct. If the answer is a proper noun, capitalization of the first letter of the word is also a basis in declaring an answer as correct.
 - i) Questions shall indicate the number of significant figures for numerical answers.
 - j) After the time limit as expired, each team must show their answer to the audience before the quizmaster reads the correct answer. The quizmaster shall acknowledge whether the answer of each team is correct or not.
 - k) If the quizmaster cannot determine the validity of an answer, the board of judges must decide on the matter. The decision of the board of judges is final.
 - l) Substitution of members may be done only during round intermission periods. There shall be five intermission periods at these points:
 - (1) after the fifth question of the EASY round
 - (2) after the last question of the EASY round
 - (3) after the fourth question of the AVERAGE round
 - (4) after the last question of the AVERAGE round
 - m) The total score of a team after three rounds shall be the final score of the team.
 - n) In case of a tie, a Clincher Round shall be played. It shall be a sudden death playoff between or among the teams with equal scores until a winner emerges.
 - o) Solutions may be checked. The judges have the last say.
6. All participating schools shall be awarded with plaques of recognition. All students and coaches shall receive certificates of recognition.
7. **The top five schools shall advance to National Finals.**

E. National Finals

1. The National Energy Quiz Show (NEQS) Finals shall be held on **December 7, 1999** in Quezon City, immediately after the National Semi-Finals. It shall be participated in by the top five schools in the National Semi-finals.
2. The National Finals shall be conducted in a quiz show format wherein all participating schools are provided with buzzers, and teams should first be acknowledged to buzzed-in first before answering.
3. **Rules and Regulations**
 - a) The Quick Show shall have 20 questions. Each question shall have its corresponding number of points. The questions to be asked shall be from the following "Energy and Environment" related categories:
 - (1) General Information and Current Events
 - (2) Mathematics
 - (3) Science
 - (4) Technology
 - b) Each team shall be provided with scratch papers and pens. Other items on the table of each team other than those mentioned may be requested to be removed.
 - c) **CALCULATORS SHALL NOT BE ALLOWED.**
 - d) Each question must be answered within the time allocated for it. The time limit shall be read before the question itself is read.
 - e) The quizmaster shall read each question twice and the time shall start only after the quizmaster says so. The contestants may buzz-in while the question is being read.
 - f) The team that buzzed-in first shall be given the chance to answer. Before any team may give their answer, the team should be first be acknowledged by the quizmaster.
 - g) A team must have only one answer per question.
 - h) Other teams may buzz-in if the answer of the acknowledged team is incorrect.
 - i) After the time limit expires, each team loses its chance to answer the current question.
 - j) If the quizmaster cannot determine the validity of an answer, the board of judges must decide on the matter. **The decision of the board of judges is final.**
 - k) Substitution of members may be done only during round intermission periods. There shall be an intermission after every five questions.

- i) The total score of a team after twenty questions shall be the final score of the team.
- j) In case of a tie, a Clincher Round shall be played. It shall be a sudden death playoff between or among the teams with equal scores until a winner emerges
- k) Solutions may be checked. The judges have the last say.

4. PRIZES

The top three teams of the 4TH National Energy Quiz Show shall receive the following:

Champion	P 50,000.00	Trophy/Medals and other items
Second Place	P 30,000.00	Trophy/Medals and other items
Third Place	P 20,000.00	Trophy/Medals and other items