

DOCKETED

Docket Number:	20-RENEW-01
Project Title:	School Energy Efficiency Stimulus Program
TN #:	236441
Document Title:	Presentation - SNPFA Program Workshop - Session 2
Description:	Presentation slides for the January 22, 2021, staff workshop on the SNPFA Program
Filer:	Theresa Daniels
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	1/25/2021 12:20:04 PM
Docketed Date:	1/25/2021



School Energy Efficiency Stimulus (SEES) Program

Session 2 – School Noncompliant Plumbing Fixtures and Appliances Program

Public Workshop

California Energy Commission
January 22, 2021



Virtual Housekeeping

- Workshop/hearing conducted remotely via Zoom
- 3 ways to comment:
 - Use the “raise hand” feature in Zoom
 - Over the telephone: dial *9 to “raise hand” and *6 to mute/unmute your phone line
 - Type your question in the Q&A window
- Please limit comments to 3 minutes
- Written comments due February 5, 2021
 - Submit through the e-commenting system at:
<https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=20-RENEW-01>
- All documents submitted to SNPFA become part of the public record



Workshop Agenda

- **General Program Background and Statutory Deadlines**
- **SNPFA Program Key Topics**
 - General Program Overview
 - Eligible Applicants and Underserved Community Requirements
 - Eligible Projects and Costs
 - Application Process
 - Reporting Requirements
- **Next Steps**
- **Public Comment**



Background: AB 841

- Governor Newsom signed AB 841 in September 2020 directing CEC to administer the School Energy Efficiency Stimulus (SEES) Program
- SEES incorporates two new grant programs:
 - School Reopening Ventilation and Energy Efficiency Verification and Repair (SRVEVR) Program
 - School Noncompliant Plumbing Fixture and Appliance (SNPFA) Program



Topic #1:

General Program Overview





SNPFA Program

- Replace noncompliant plumbing fixtures and appliances that fail to meet water efficiency standards with water-conserving plumbing fixtures and appliances.
- Applicant submits documents showing the existence of noncompliant plumbing fixtures or appliances and a cost estimate verified by a contractor for the replacement of the noncompliant plumbing fixtures and appliances.
- CEC may provide technical assistance



Statutory Deadlines

Requirement	Date	Reference
Joint utility advice letter filed with CPUC	Feb. 1, 2021	PU Code §1610
CPUC Approval of advice letter	Mar. 1, 2021	PU Code §1610
Begin soliciting grant applications	April 1, 2021	PU Code §1611
Adopt program guidelines	No later than May 1, 2021	PU Code §1614(c)
Unspent funds returned to utilities	Dec. 1, 2026	PU Code §1615(e)



Program Budget

Funds derived from IOUs' energy efficiency (EE) rolling portfolio funds

- **Estimated** annual budget for 2021 is \$275M
- Program funds to be accumulated in 2021-2023
- SRVEVR – 75% of Funds
- SNPFA – 25% of Funds
- SNPFA estimate for 2021 is \$69M
- IOU's will disburse funds on a quarterly basis to the CEC



Program Budget Continued

- Funds must be spent proportionally within the service territories of the utilities from which it was derived
 - Pacific Gas & Electric (PG&E)
 - Southern California Edison (SCE)
 - San Diego Gas & Electric (SDG&E)
 - Southern California Gas (SCG)

- 25% of Projects Must be in Underserved Communities



Topic #2:

Eligible Applicants and Underserved Community Requirements



Staff Proposed Approach

- **Initial program awards will be limited to projects for schools located in an underserved community.**
 - Each LEA may submit only application per funding round
 - All school sites must meet one of the underserved community criteria
- **The CEC will continually evaluate the effectiveness of the SNPFA Program Guidelines and publish new editions to update eligibility and prioritization as funding is available.**



Eligible Applicants

Eligible Applicants to be limited to California LEAs

An LEA is defined as either:

- A school district as defined in Section 41302.5 of the Education Code, which includes:
 - county boards of education
 - county superintendents of schools
 - direct elementary and secondary level instructional services provided by the state, including the Diagnostic Schools for Neurologically Handicapped Children as established pursuant to Article 1 (commencing with Section 59200) of Chapter 3 of Part 32 of the Education Code
- A charter school that has been granted a charter pursuant to Part 26.8 (commencing with Section 47600) of Division 4 of Title 2 of the Education Code



Priority Eligibility

Underserved Community Requirements

- **“Underserved community”** means a community that meets one of the following criteria:
 - A “disadvantaged community” as defined by subdivision (g) of Section 75005 of the Public Resources Code.
 - Included within the definition of “low-income communities” as defined by paragraph (2) of subdivision (d) of Section 39713 of Health and Safety Code.
 - CalEnviroScreen score of 75 or higher
 - Greater than or equal to 75% of students eligible for FRPM under National School Lunch Program.
 - Located on lands belonging to a federally recognized California Indian tribe.



Eligible Sites

- LEAs may apply for grants to conduct activities at schools that the LEA:
 - Owns.
 - Leases from a school district.
 - Has a lease for, with a duration exceeding the projected useful life of SNPFA project improvements.
 - LEAs must provide proof of ownership or complying leases.



Application Tiers

- Staff have proposed utility service territory funding be divided into 4 tiers based on LEA student enrollment and a maximum funding level established for each Tier for the initial round of awards
- Tiers established based on LEA Size determined by Enrollment Numbers

Table 1: LEA Size by Enrollment Numbers

Tier	Number of Students
1	Less than 1,000
2	Between 1,000 and 2,000
3	Between 2,001 and 10,000
4	More than 10,000

Table 2: Application Tiers

Tier	PG&E	SCE	SDG&E	SCG
1	15.7%	15.7%	15.7%	15.7%
2	21.1%	21.1%	21.1%	21.1%
3	31.6%	31.6%	31.6%	31.6%
4	31.6%	31.6%	31.6%	31.6%



Funding Reallocation

Funds Not Used in an Application Tier:

If an application tier has leftover funds at the end of a funding round, the CEC will evaluate program participation and these funds may be reallocated to other application tiers in the same utility service territory or may be held over for a future round of funding



Discussion Break

- **Staff proposal of phased approach for applicant eligibility**
- **Staff proposal of application tiers and funding reallocation**

3 ways to comment:

- Use the “raise hand” feature in Zoom
- Over the telephone: dial *9 to “raise hand” and *6 to mute/unmute your phone line
- Type your question in the Q&A window
- Please limit comments to 3 minutes



Topic #3:

Eligible Projects and Costs





Eligible Project Costs

- **Program staff are soliciting feedback on the associated eligible costs included in SNPFA Grants**
- **These costs may include but are not limited to:**
 - **Compliant plumbing fixtures and appliances**
 - **Labor**
 - **Recycling and disposal of noncompliant equipment**



Noncompliant Fixtures and Appliances

- The SNPFA program will fund the replacement of noncompliant plumbing fixtures and appliances
- Fixtures
 - Toilets
 - Urinals
 - Showerheads
 - Faucets
- Appliances
 - Dishwashers
 - Commercial Ice Makers
 - Commercial Clothes Washers



Noncompliant Fixtures

- Fixtures that meet the following requirements:
 - Any toilet manufactured to use more than 1.6 gallons of water per flush.
 - Any urinal manufactured to use more than one gallon of water per flush.
 - Any showerhead manufactured to have a flow capacity of more than 2.5 gallons of water per minute.
 - Any interior faucet that emits more than 2.2 gallons of water per minute.



Commercial Dishwashers

- Must meet Energy Star Dishwasher Requirements Version 1.1
 - The ENERGY STAR Commercial Dishwasher Specification went into effect on October 11, 2007.

Table 1: Efficiency Requirements for Commercial Dishwashers

Machine Type	High Temp Efficiency Requirements*		Low Temp Efficiency Requirements*	
	Idle Energy Rate	Water Consumption	Idle Energy Rate	Water Consumption
Under Counter	≤ 0.90 kW	≤ 1.00 gal/rack	≤ 0.5 kW	≤ 1.70 gal/rack
Stationary Single Tank Door**	≤ 1.0 kW	≤ 0.950 gal/rack	≤ 0.6 kW	≤ 1.18 gal/rack
Single Tank Conveyor	≤ 2.0 kW	≤ 0.700 gal/rack	≤ 1.6 kW	≤ 0.790 gal/rack
Multiple Tank Conveyor	≤ 2.6 kW	≤ 0.540 gal/rack	≤ 2.0 kW	≤ 0.540 gal/rack

* Idle results should represent **tank heater** idle energy rate measured with door closed and rounded to 2 significant digits. Gallons per rack results should be rounded to 3 significant digits.

**Includes pot, pan, and utensil machines.



Automatic Commercial Ice Makers

- Must meet Energy Star Product Specification for Automatic Commercial Ice Makers, Version 1.0
 - The ENERGY STAR Commercial Ice Machine Specification went into effect on January 1, 2008.

Table 1: Efficiency Requirements for Commercial Cubed Ice Machines			
Equipment Type	Harvest Rate, H (lbs ice/day)	Energy Use Limit (kWh/100 lbs ice)	Potable Water Use Limit (gal/100 lbs ice)
Air-Cooled			
IMH	< 450	9.23 – 0.0077H	≤ 25
	≥ 450	6.20 – 0.0010H	≤ 25
RCU (without remote compressor)	< 1000	8.05 – 0.0035H	≤ 25
	≥ 1000	4.64	≤ 25
RCU (with remote compressor)	< 934	8.05 – 0.0035H	≤ 25
	≥ 934	4.82	≤ 25
SCU	< 175	16.7 – 0.0436H	≤ 35
	≥ 175	9.11	≤ 35



Commercial Clothes Washers

- Must meet Energy Star Product Specification for Clothes Washers, Version 5.0
 - The ENERGY STAR Commercial Ice Machine Specification went into effect on January 1, 2008.

	Current ENERGY STAR Criteria <i>as of January 1, 2007</i>	ENERGY STAR Criteria <i>as of July 1, 2009</i>	ENERGY STAR Criteria <i>as of January 1, 2011</i>
ENERGY STAR Criteria	MEF \geq 1.72 WF \leq 8.0	MEF \geq 1.8 WF \leq 7.5	MEF \geq 2.0 WF \leq 6.0

- **Modified Energy Factor (MEF):** The present energy efficiency measure for all clothes washers. MEF is the quotient of the cubic foot capacity of the clothes container divided by the total clothes washer energy consumption per cycle, with such energy consumption expressed as the sum of the machine electrical energy consumption, the hot water energy consumption, and the energy required for removal of the remaining moisture in the wash load. The units are cubic feet per kWh per cycle (ft³ /kWh/cycle). The higher the value, the more efficient the clothes washer. MEF must be determined by the J1 test procedure (see below).
- **Water Factor (WF):** The present water efficiency calculation that allows the comparison of clothes washer water consumption independent of clothes washer capacity. The term is expressed as gallons per cycle per cubic feet. WF is the quotient of the total weighted per-cycle water consumption divided by the capacity of the clothes washer. The lower the value, the more efficient the clothes washer. WF has not been incorporated into the Federal standard but is included in the 2007 ENERGY STAR criteria.



Ineligible Project Costs

Initial eligible projects are Replacement of Identified "Noncompliant" Plumbing Fixtures and Appliances

- Grant application costs
- Consultant fees
- Final reporting costs
- Indirect plumbing/ appliance costs



Topic #4:

Application Process





Application Package

- The SNPFA Application Package will contain the following documents:
 - Contractor verified cost estimate for the replacement of noncompliant fixtures and appliances
 - SNPFA-1 document detailing the applicant's info
 - SNPFA-2 document including the anticipated project term
 - Applicants will receive 18 months to complete their project
 - SNPFA-3 document listing site information and anticipated project budget



Incurring Cost Reimbursement

- Grantees may request upfront reimbursement of eligible incurred costs of no more than 50 percent of the total grant award
- These costs are defined as an expense for which the recipient has become liable to pay
- These do not include purchase orders unless they are accompanied by an invoice, bill, or receipt showing the payment amount is due



Skilled and Trained Workforce

- SNPFA requires all work funded by the program to be completed by a Skilled and Trained Workforce.
- This is defined in the California Public Contract Code 2601.
- Projects that do not meet this requirement will not be eligible for program funding.



Application Review

- SNPFA staff will issue a Notice of Funding Availability
- Applicants will submit their application package electronically
 - The electronic document system will be specified prior to the first Notice of Funding Availability
- Applications will be reviewed in order received
- SNPFA staff will post a Notice of Award for each funding round



Grant Payment

- Following Notice of Award, Grantee will provide
 - Additional details of all plumbing fixtures and appliances on each site, and additional data required to assess baseline water use
 - Payee Data Record (STD-204): Required for Grant Award Payment, all details MUST match the applicant information in other documents
 - Final Budget Page Identifying Grant Awards by Site (estimated cost and total per site award calculations)



Technical Assistance

- CEC program staff may provide technical assistance to SNPFA applicants upon request
- A SNPFA call center will be available during normal business hours for any questions related to the initial technical assessment
 - Assisting applicants in identifying noncompliant appliances and fixtures
 - Identifying what ENERGY STAR rating their appliances have
- Program staff will also be available via email for any questions



Discussion Break

- Are there issues with the staff proposed definition of eligible and ineligible costs?
- Is the proposed 18-month project term sufficient time to complete SNPFA grants?
- What type of technical assistance would be beneficial for LEAs?

3 ways to comment:

- Use the “raise hand” feature in Zoom
- Over the telephone: dial *9 to “raise hand” and *6 to mute/unmute your phone line
- Type your question in the Q&A window
- Please limit comments to 3 minutes



Topic #5:

Reporting Requirements





SNPFA Final Documentation

- SNPFA Final Documentation will contain:
- Detailed noncompliant appliance and fixture documentation and contractor estimate, as specified in Chapter 2.B
- Documentation of installed fixtures and appliances
- Final invoice
- Additional reporting detail as required to calculate or confirm water usage savings, energy usage savings
- Plumbing testing or inspection results for the presence of lead pipes in the project site.



Final Documentation and Reporting

SNPFA Appliance Reporting Requirements	
Commercial dishwasher	Existing dishwasher mfg., model number, and manufacture date, and quantity
	Replacement dishwasher mfg., model number, manufacture date, rated kWh/ year, rated gallons/ cycle, and quantity
	Expected dishwashing cycles per year
Automatic commercial ice maker	Existing ice maker mfg., model number, manufacture date, and quantity
	Replacement ice maker mfg., model number, manufacture date, equipment type, rated ice harvest rate (lbs./ 24 hrs.), rated energy consumption (kWh/ 100 lbs. ice), rated potable water use (gal/ 100 lbs. ice), and quantity
	Expected ice consumption per year
Commercial clothes washer	Existing clothes washer mfg., model number, manufacture date, and quantity
	Replacement ice maker mfg., model number, manufacture date, product type, rated integrated modified energy factor (IMEF), rated integrated water factor (IWF), and quantity
	Expected clothes washing cycles per year



Discussion Break

- Are there any identified issues with the requirements in the Final Documentation requirements?
- What are the industry standards for lead pipe testing?
- Are there any issues with lead pipe inspection/ testing as a part of the Final Documentation requirements?

3 ways to comment:

- Use the “raise hand” feature in Zoom
- Over the telephone: dial *9 to “raise hand” and *6 to mute/unmute your phone line
- Type your question in the Q&A window
- Please limit comments to 3 minutes



Next Steps





General Program Schedule

Next Steps (subject to change)	Date
Comments Due on Draft Guidelines	February 5, 2021
CPUC finalizes budgets	Feb-Mar 2021
Release Staff Second Draft Guidelines	March 2021
Final Draft Guidelines Posted	April 1, 2021
Anticipated Issuance of Solicitation for Grant Applications	April 1, 2021
CEC Adoption of Guidelines	April 2021
Begin approving grant applications	May-June 2021



Public Comments

4 ways to comment:

- Use the “raise hand” feature in Zoom
- Over the telephone: dial *9 to “raise hand” and *6 to mute/unmute your phone line
- Type your question in the Q&A window
- Please limit comment to 3 minutes
- Submit your comments in writing during the 14-day public comment period



Additional Questions & Comments?

Contact us at
SEES@energy.ca.gov

www.energy.ca.gov



This Photo by Unknown Author is licensed under [CC BY-SA](https://creativecommons.org/licenses/by-sa/4.0/)



Thank you!

