

**California Area  
Indian Health Service  
Sanitation Facilities Construction  
Tribal Leaders Consultation Conference**  
March 15-17, 2011

Christopher Brady  
Deputy Director, Division of Sanitation Facilities Construction

[Chris.Brady@ihs.gov](mailto:Chris.Brady@ihs.gov)

(916) 930-3981 ext. 340



# SFC Program



## Topics:

- Priorities
- Introductions – staff and office locations
- Mission activities
- Overview of services and funding levels
- Sanitation Tracking and Reporting System (STARS)
- Questions/answers

# SFC Program



## SFC Priorities:

- Renew and strengthen partnerships with Tribes
- Improve the quality and access to services
- Reduce project durations
- Improve STARS database

# SFC Program



## **SFC organization and staffing:**

- Under Office of Environmental Health and Engineering (OEHE)
- SFC Director – Donald Brafford
- SFC staff – 39 employees
  - 17 engineers
  - 15 engineering technicians
  - 7 administration assistants

# SFC Program

## District Offices:

- Redding
- Sacramento
- Escondido

## Field Offices:

- Arcata
- Ukiah
- Clovis (formerly Fresno)
- Porterville



- Offices strategically located near Tribes

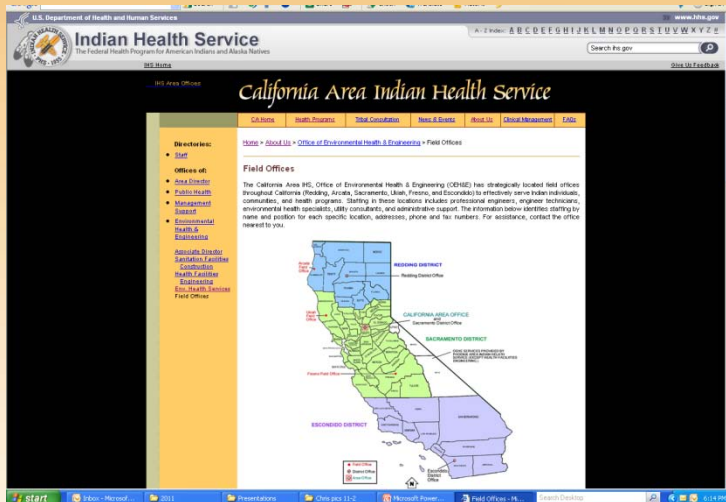


# SFC Program

## California Area/SFC website:

Directory of each office:

<http://www.ihs.gov/California>



### Redding District Office

1900 Churn Creek Road  
Suite 210  
Redding, CA 96002-0292  
(530) 246-5339  
FAX (530) 246-5210

District Engineer  
District E.H. Officer  
Sr. Field Engineer  
Engineering Technician  
Environmental Engineer  
Admin. Support Asst.

Andrew Huray Ext. 304 ([andrew.huray@ihs.gov](mailto:andrew.huray@ihs.gov))  
LCDR Charles Craig Ext. 302 ([charles.craig@ihs.gov](mailto:charles.craig@ihs.gov))  
Dwayne Cordray Ext. 305 ([dwayne.cordray@ihs.gov](mailto:dwayne.cordray@ihs.gov))  
Eugene Ryan Ext. 308 ([eugene.ryan@ihs.gov](mailto:eugene.ryan@ihs.gov))  
Vanissa Laahy Ext. 306 ([vanissa.laahy@ihs.gov](mailto:vanissa.laahy@ihs.gov))  
Pattigall Whitehouse Ext. 301 ([pattigall.whitehouse@ihs.gov](mailto:pattigall.whitehouse@ihs.gov))

### • Arcata Field Office

1125 16th Street  
Suite 100  
Arcata, CA 95521-5585  
(707) 822-1688  
FAX (707) 822-1692

Environmental Engineer  
JR Environmental Engineer  
Engineering Technician  
Engineering Technician  
Office Automation Clerk

Barry Jarvis, P.E. Ext. 203 ([barry.jarvis@ihs.gov](mailto:barry.jarvis@ihs.gov))  
LT JG Travis Sorum Ext. 204 ([travis.sorum@ihs.gov](mailto:travis.sorum@ihs.gov))  
Denise O'Gorman Ext. 206 ([denise.o'gorman@ihs.gov](mailto:denise.o'gorman@ihs.gov))  
Maureen Harrington Ext. 202 ([maureen.harrington@ihs.gov](mailto:maureen.harrington@ihs.gov))  
Sarah Wilkoff Ext. 205 ([sarah.wilkoff@ihs.gov](mailto:sarah.wilkoff@ihs.gov))

[Back to Top ↑](#)

### Escondido District Office

1320 West Valley Parkway  
Suite 309  
Escondido, CA 92029-2129  
(760) 735-6880/81  
FAX (760) 735-6893

District Engineer  
District E.H. Specialist  
Field Engineer  
Field Engineer  
Engineering Technician  
Engineering Technician  
Engineering Technician  
Administrative Support Assistant

LCDR Jonathan Rash, P.E. 735-6885 ([jonathan.rash@ihs.gov](mailto:jonathan.rash@ihs.gov))  
CDR Brian Lewelling 735-6891 ([brian.lewelling@ihs.gov](mailto:brian.lewelling@ihs.gov))  
LT Roger Hargrove 735-6883 ([roger.hargrove@ihs.gov](mailto:roger.hargrove@ihs.gov))  
Nancy Dewees 735-6882 ([nancy.dewees@ihs.gov](mailto:nancy.dewees@ihs.gov))  
Talat Mahmood 735-6887 ([talat.mahmood@ihs.gov](mailto:talat.mahmood@ihs.gov))  
John Jeng 735-6888 ([john.jeng@ihs.gov](mailto:john.jeng@ihs.gov))  
Keith Bailey 735-6886 ([keith.bailey@ihs.gov](mailto:keith.bailey@ihs.gov))  
Michelle Blackowl 735-6880 / 6881 ([michelle.blackowl@ihs.gov](mailto:michelle.blackowl@ihs.gov))

[CA Site Map](#) [CA Links](#) [CA Webmaster](#) [Print Friendly Version](#)

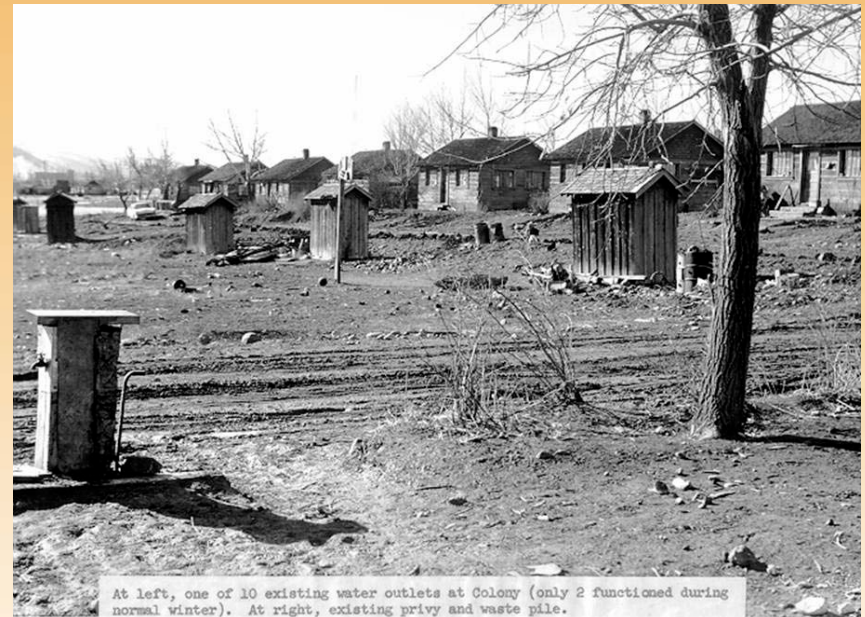
Plug-Ins may be required for the content of this page. [Plug-In Page](#)

# SFC Program



## Background:

- July 31, 1959, Public Law (P.L.) 86-121, the Indian Sanitation Facilities Act, was signed into law creating the IHS SFC Program
- Gives the SFC Program the authority for providing essential water supply and sewage facilities
- Technical and financial assistance



# SFC Program

## Long-term goals:

- Increase percentage of Indian homes with access to safe water and sanitation
- In 1959, less than 20% of homes had safe water
- Currently, 87% have safe water or 13% without (compared to less than 1% of the U.S. population)

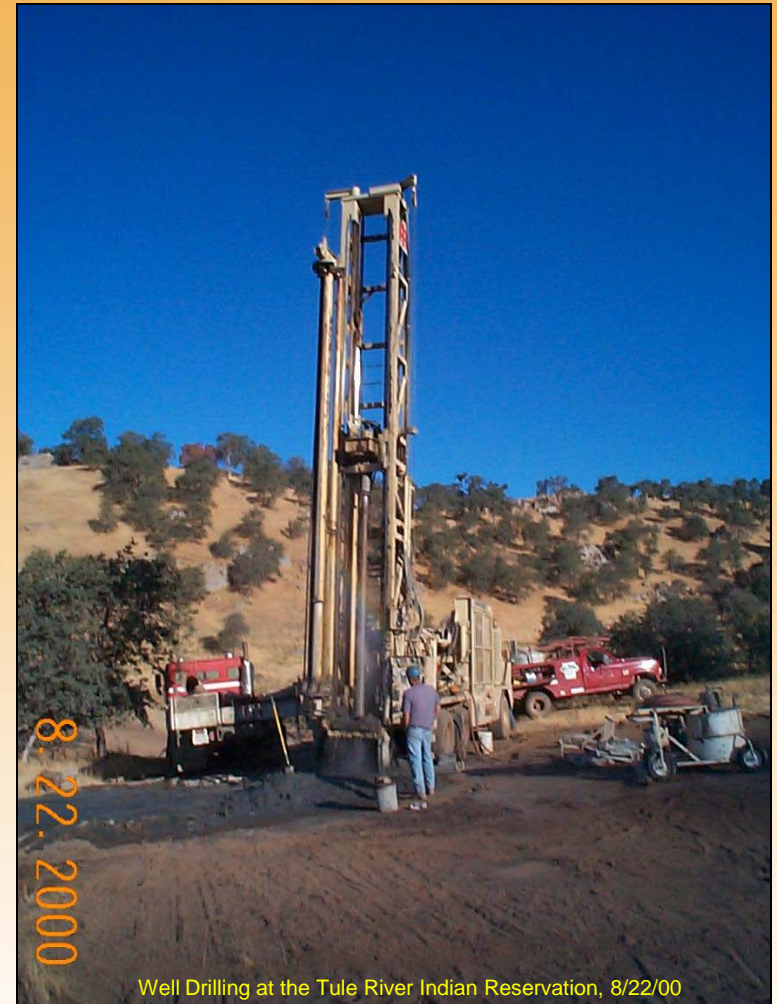




# SFC Program

## Mission activities:

1. Maintain inventory of sanitation deficiencies
2. Environmental engineering assistance
3. Project development with multi-agencies
4. Funding for water supply, wastewater, and solid waste projects



Well Drilling at the Tule River Indian Reservation, 8/22/00

# SFC Program

## Mission activities:

5. Professional design and construction services
6. Advocate for Tribes on environmental public health issues
7. O&M training and technical consultation
8. Emergency response services





# Services for individual homes

- Water service line
- Water well
- Water pressure system
- Septic tank/drainfield
- Sewer service line



# Scattered site program

## Two-page application for individual home sites:

- Requirements: Federally recognized Tribe; primary residence; legal control to land; adequate site conditions

APPLICATION FOR SANITATION FACILITIES (Public Law 86-121)	
APPLICANT NAME: _____	TRIBE & ENROLLMENT NO.: _____
MAILING ADDRESS: _____	FACILITIES LOCATION ADDRESS: _____
PHONE #: _____	
SERVICES REQUESTED:	
WATER: NEW SERVICE [ ] RENOVATION [ ] WASTEWATER: NEW SERVICE [ ] RENOVATION [ ]	
Has IHS or other Federal Agency provided sanitation facilities to this <u>homesite</u> before? YES [ ] NO [ ]	
If yes, during which year? _____	
If yes, under what Applicant name? _____	
Has IHS or other Federal Agency provided sanitation facilities to this <u>Applicant</u> before? YES [ ] NO [ ]	
If yes, during which year? _____	
If yes, at what homesite address? _____	
HOME INFORMATION:	
The proposed homesite is on: TRUST LAND [ ] FEE PATENT LAND [ ]	
The property is: OWNED [ ] LEASED [ ] RENTED [ ] AN ALLOTMENT [ ]	
Within the property boundaries, there are the following underground utilities (complete attached site drawing): None [ ] Electrical Lines [ ] Gas Lines [ ] Water Lines [ ] Sewer Lines [ ] Other _____	
Structure type is: MOBILE HOME [ ] WOOD FRAME [ ] OTHER _____	
Approximate year structure was built or moved to the site: _____	
Is the house currently occupied? YES [ ] NO [ ]	
If yes, since when? MONTH _____ YEAR _____	
If no, proposed occupancy date: _____ YEAR _____	
Number of bedrooms _____ Number of bathrooms _____ Number of occupants _____	
Ages of occupants? _____ any special conditions regarding occupants? (Health problems, disabilities, elderly, etc.) _____	
Does the house have electric service? YES [ ] NO [ ]	
If no, when will electric service be provided? MONTH _____ YEAR _____	
Have there been any recent bedroom or bathroom additions to the house? YES [ ] NO [ ]	
If yes, describe improvements during the last three years? _____	
Completion date of improvements: _____	
EXISTING FACILITIES: WELL [ ] SEPTIC SYSTEM [ ] COMMUNITY WATER [ ] COMMUNITY SEWER [ ]	
Describe any problems you are having with existing facilities: _____	
Do you know of any archeological / historical sites on the property? YES [ ] NO [ ]	
(If yes show on site drawing)	
THIS SECTION FOR IHS USE: Date Application Received: _____ Date Tribe Signed: _____	

APPLICANT'S RESPONSIBILITIES: READ CAREFULLY, THIS IS A LEGAL DOCUMENT.	
1. This is an APPLICATION for service. The provision of sanitation facilities is dependent on Indian Health Service (IHS) site review, verification of home construction, improvements, and availability of funds.	
2. No services can be provided without a completed and signed Application for Sanitation Facilities Form.	
3. Application must be given to the Tribe associated with the service area that contains the homesite property. The Tribe will forward the Application to IHS. Applicants without Tribal representation will forward the Application directly to the IHS.	
4. Applicant must provide proof of a legal claim to the land (e.g., copy of allotment, lease, or deed) as part of this application. The homesite must be a primary residence of the Applicant. No services can be provided to other than primary residences.	
5. An IHS representative will visit the homesite to determine site suitability. Prior to this visit, the Applicant must locate property corners, underground utilities, and the proposed house location (new homes). See Site Drawing.	
6. By way of the Applicant's signature, IHS representatives are granted permission to enter upon the land for the purpose of carrying out the site approved work. This work may include, but is not limited to, digging soil test pits, conducting percolation tests, and drilling test wells. The Applicant agrees to waive all claims which may arise from such entry and testing except those claims which may be recognized under the General Tort Claims Act. If the Applicant is not the landowner, the landowner must co-sign this application.	
7. It is important that the Applicant understand that under Public Law 86-121, IHS cannot own, operate, or maintain the Applicant's completed facilities. All construction facilities will be transferred to the Applicant when construction is completed. For community facilities, the Applicant's responsibility is for individual facilities such as water service lines from the house to the curb stop or meter and sewer service lines from the house to the property line.	
8. The IHS does not provide inside plumbing. Plumbing must be inside the house with a protruding stub 5-foot beyond the foundation to connect to outside plumbing.	
IT IS STRONGLY RECOMMENDED THAT DEVELOPMENT OF NEW SITES NOT OCCUR UNTIL AVAILABILITY OF WATER AND SEWER SERVICE HAS BEEN DETERMINED. IT IS FURTHER RECOMMENDED THAT OCCUPANCY OF NEW HOUSES NOT OCCUR PRIOR TO RECEIPT OF SANITATION FACILITIES.	
<b>TRIBAL – AUTHORITY SIGNATURE REPRESENTS REQUEST FOR FACILITIES FOR THIS APPLICANT</b>	
I understand the Applicant's Responsibilities as described, and I agree to the IHS verifying information provided on this application.	
LANDOWNER (IF NOT APPLICANT): _____	DATE: _____
APPLICANT: _____	DATE: _____
TRIBAL REPRESENTATIVE: _____	DATE: _____



# Community services

- Water supply; e.g. wells, intakes
- Water distribution and storage
- Water treatment
- Wastewater collection
- Wastewater treatment/disposal





# SFC Program

National SFC website:  
<http://www.ihs.gov/dsfc/>

Contains program  
references:

- SFC Criteria Document
- MOA Guidelines



U.S. Department of Health and Human Services  
**Indian Health Service**  
The Federal Health Program for American Indians and Alaska Natives

Division of  
**Sanitation Facilities Construction**

**Home Page**

- Mission
- Contact Info
- Data Systems
- Jobs & Internships
- Documents
- Commissioned Corps
- Additional Resources
- Contact the Site Administrator

**Welcome to the Division of Sanitation Facilities Construction**

The Division administers a nationwide Sanitation Facilities Construction (SFC) Program that is responsible for the delivery of environmental engineering services and sanitation facilities to American Indians and Alaska Natives. The SFC Program accomplishes its responsibilities through the allocation of available resources to the twelve Indian Health Service (IHS) [Area Offices](#).

The enactment of Public Law 86-121, in 1959, is a milestone in Indian health legislation and authorizes the creation of the SFC Program within the IHS. The SFC Program provides American Indian and Alaska Native homes and communities with essential water supply, sewage disposal, and solid waste disposal facilities. IHS environmental engineers plan, design, and manage most SFC projects; many of those engineers are assigned to one of the twelve IHS Area Offices.

The [IHS mission](#) is to raise the health status of the American Indian and Alaska Native people to the highest possible level by providing comprehensive health care and preventive health services. To support the IHS mission, the SFC Program provides technical and financial assistance to American Indian tribes and Alaska Native villages for cooperative development and continued operation of safe water, wastewater, and solid waste systems and related support facilities. More information can be found on the [Documents Page](#).

**Indian Health Service  
Office of Environmental and Health  
Engineering Division of Sanitation Facilities  
Construction**  
12300 Twintbrook Parkway, Suite 610  
Rockville, Maryland 20852  
Phone: 301-443-1046  
Fax: 301-443-7538

Content on this page may require  Acrobat

# SFC Program in California

## First California SFC project:

- 1962 under PH-62-740
- Tule River Indian Reservation
- 37 homes with water and waste disposal facilities
- Federal cost: \$52,000
- Tribal contribution: \$22,000

FINAL REPORT  
DOMESTIC WATER SUPPLY FACILITIES  
TULE RIVER INDIAN RESERVATION, CALIFORNIA  
PROJECT NO. PH-62-740

INTRODUCTION

The Tule River Indian Reservation is located in Tulare County, California, about sixty miles north of Bakersfield or fifteen miles east of Porterville, California. The Reservation was inaugurated by an Executive Order on January 9, 1893. It consists of 54,116 acres of grazing and timberland, with approximately 30% in grazing land the remaining 70% in forest and timberland. The land is of poor quality for cultivation because of the steep slope, rock, and sandy soil (decomposed granite). The thirty-seven Indian homes are located on both sides of the Tule River which drains the Reservation. The valley is narrow, with steep and rocky hillsides. As of April 1962 only two houses had bathrooms.

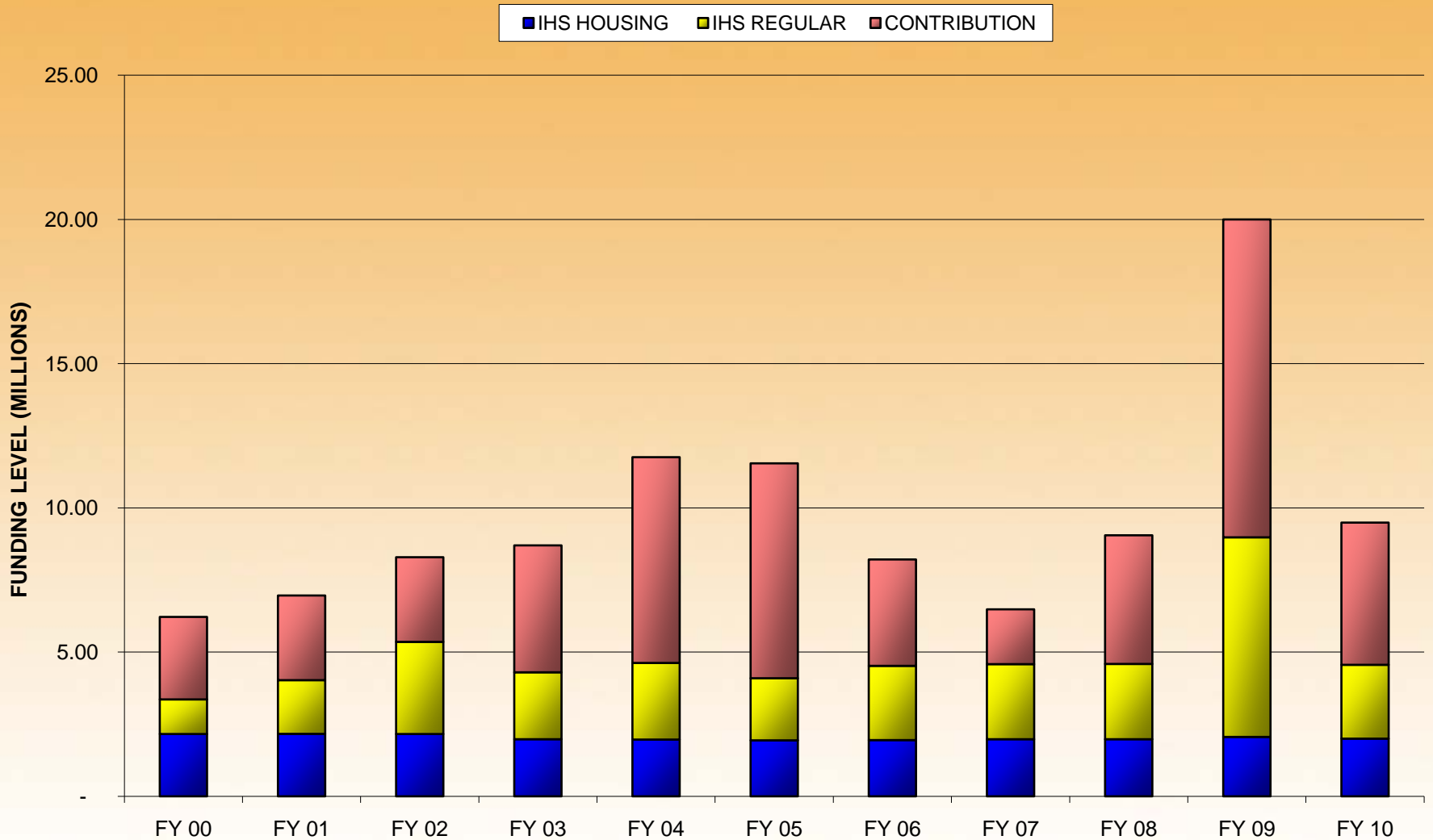
On July 25, 1960, the Tule River Indian Tribe of California submitted to the U. S. Public Health Service, a project proposal for assistance under Public Law 86-121 in the installation and improvement of domestic water supply and waste disposal facilities.

On February 9, 1962, a formal Memorandum of Agreement was signed between the Public Health Service and the Tule River Indian group. This agreement set forth the various provisions of the project which included a cash contribution from the Indian group in the amount of \$22,000. Due to engineering problems encountered during construction, it was necessary to modify the original project and a supplemental Memorandum of Agreement was developed and signed between the two parties.

The completed project provided running water and adequate waste disposal facilities for thirty-seven homes serving over two hundred persons at a Federal cost of approximately \$52,000.

# SFC Program

## CA Area funding level history: 2000 to 2010



# SFC Program

## FY2009 ARRA funding:

IHS ARRA: \$ 4,068,000

EPA ARRA: \$ 8,301,100

Total \$12,369,100

## Impacts:

Number of projects: 20

Total Indian homes: 763





# SFC Program

## FY2010 funding levels:

IHS Housing: \$ 2,008,000

IHS Regular: \$ 2,558,455

Contributions: \$ 5,045,351

Total: \$ 9,611,806

## Impacts:

Number of projects: 33

Total Indian homes: 4,914





# STARS

wSTARS - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Mail Print

Address <https://wstars.ihs.gov> Go



### Web-Based Sanitation Tracking and Reporting System (wSTARS)

Welcome to WSTARS, a database containing sanitation data that is utilized for submitting rural community projects for funding approval by IHS headquarters.

[National Home](#)

## Welcome to the Sanitation Tracking and Reporting System

[Contact Us ?](#)

### Overview of the Web Sanitation Tracking and Reporting System (wSTARS)

The Web Sanitation Tracking and Reporting System (wSTARS) is an inventory of the sanitation deficiencies of American Indian (AI) and Alaska Native (AN) communities, which consist of needed water, sewer and solid waste facilities for existing homes. The sanitation deficiencies data are identified by each of the 12 Indian Health Service Area Offices across the nation in consultation with the respective Tribes in those Areas. The sanitation deficiency data is updated annually and reported to Congress as required by the Indian Health Care Improvement Act, Public Law 94-437, as amended (25 U.S.C. 1601 et seq).

SDS guidelines have been established and are required to ensure uniform Area standards and procedures for identifying deficiencies, and in planning and prioritizing projects. All tribes, regardless of Sanitation Facilities Construction (SFC) Program delivery method, report their SDS needs similarly and participate equally in the allocation process, in accordance with Sections 302(g)(2) and 302(g)(3) of P.L. 94-437, as amended. Each Area Office SDS project request must be submitted to the IHS Headquarters SFC Program by August 1 of each year. The SDS project information will be used to update the SDS priority list of projects that IHS submits to Congress.

### SELECT AN AREA

Click an area on the map or the list below.



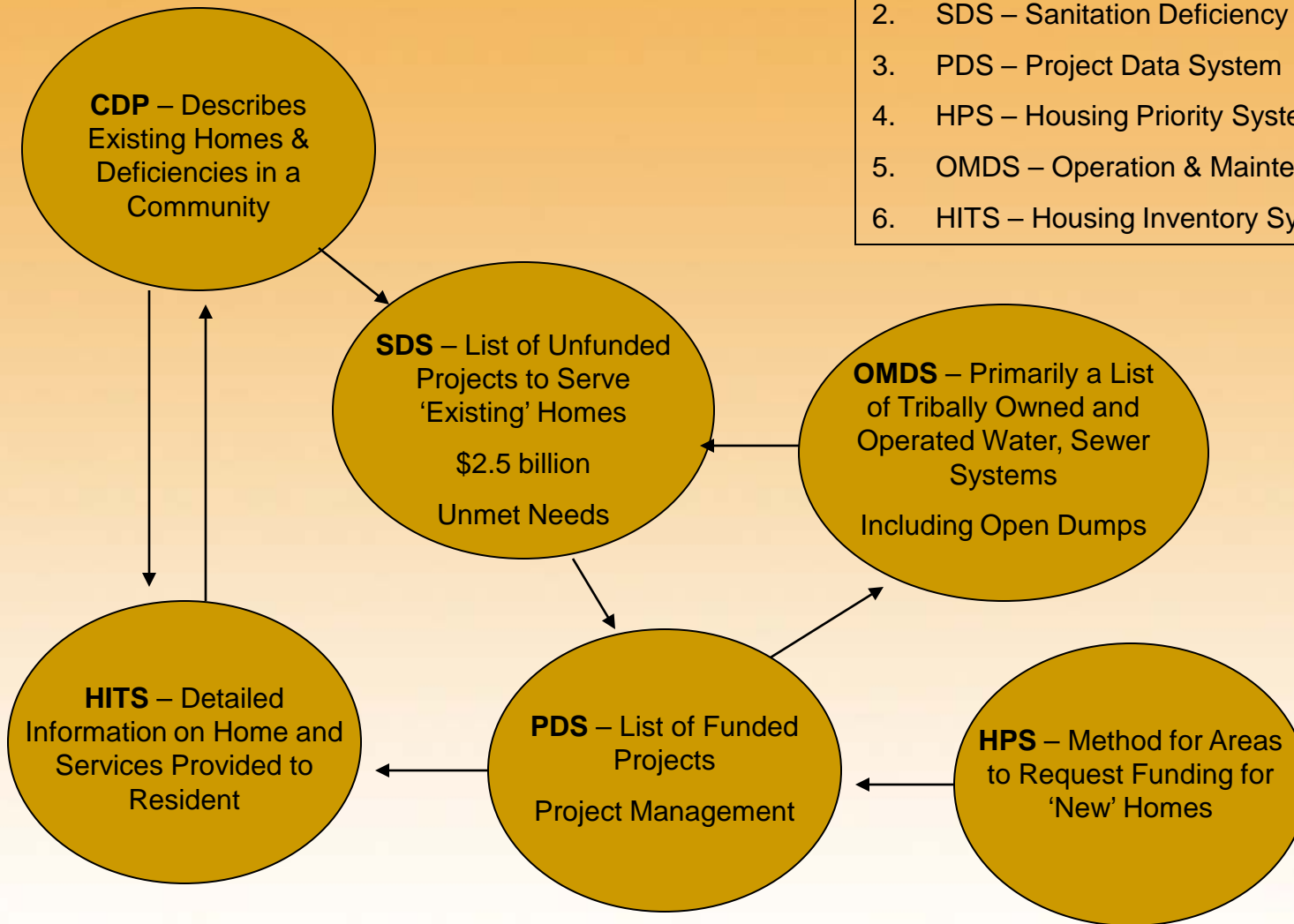
▶ IHS Headquarters	▶ Nashville Area
▶ Aberdeen Area	▶ Navajo Area
▶ Alaska Area	▶ Oklahoma Area
▶ Albuquerque Area	▶ Phoenix Area
▶ Bemidji Area	▶ Portland Area
▶ Billings Area	▶ Tucson Area
▶ California Area	



# STARS



1. CDP – Community Deficiency Profile
2. SDS – Sanitation Deficiency System
3. PDS – Project Data System
4. HPS – Housing Priority System
5. OMDS – Operation & Maintenance Data System
6. HITS – Housing Inventory System



# STARS – SDS

Welcome to the California Area Sanitation Tracking and Reporting System (STARS).

SFC Director Name: Don Brafford

Welcome to the California Area Web-based Sanitation Tracking & Reporting System (STARS)

**Sanitation Deficiency System  
Submission Due Dates**

- **April to June** SDS Update with Tribe and IHS Field Office
- **July 15** Submission from District Offices to Area Office
- **August 1** Submission to Headquarters the Area's SDS database

SFC Director Name: Donald Brafford

# SDS requirements



- 1988 Indian Health Care Improvement Act (IHCIA) requires IHS to:
  - Maintain inventories of sanitation deficiencies for new and existing Indian homes and communities
  - Prioritize the correction of deficiencies in the form of projects
  - Annually report deficiencies to Congress
- IHS developed the SDS to fulfill these requirements

# SDS current deficiencies

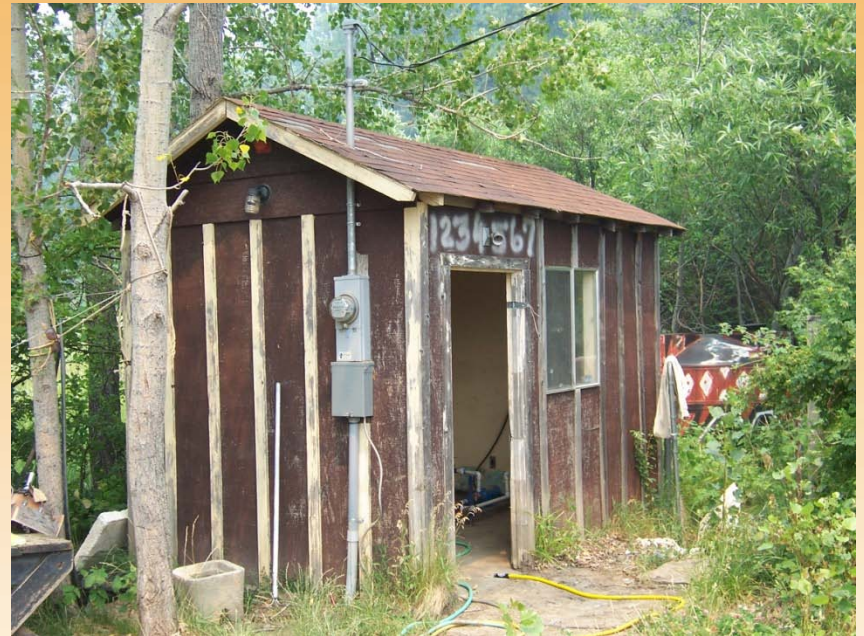
- Number of projects: 298
- Project costs: \$182 million
- Number of homes: 13,099





# SDS importance

- Reported annually to Congress for funding
- Data determines Area's funding allocations
- Allows IHS to address sanitation deficiencies



# SDS importance

- Used by other agencies
- Annual portfolio update of Tribal deficiencies
- Opportunity for Tribe-IHS to identify, document, and develop strategies to improve sanitation facilities



# SDS new initiative

## Planning projects:

- Up-front planning funds for complex projects
- Aerial mapping, hydro and geotech studies, environ surveys
- Use information to develop/refine the construction project





# SFC Program

## Current workload:

- Active projects: 172

## Future opportunities/challenges:

- Deficiency inventory: \$182 million





# SFC Program

## Successful outcomes and impacts – 1962 to 2010:

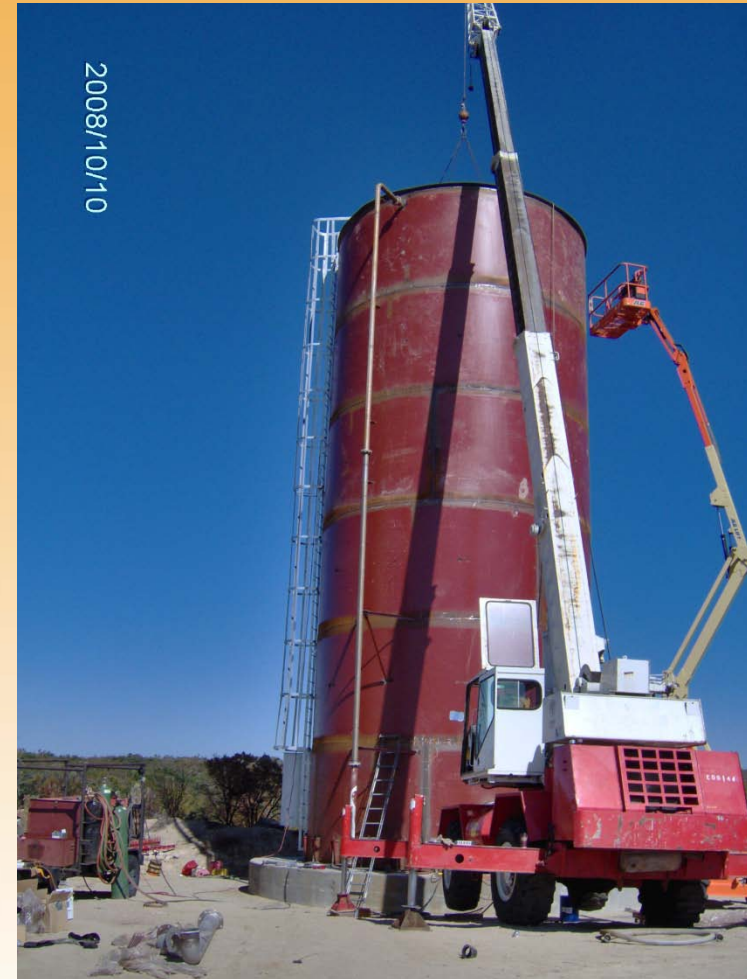
- Funding: \$194 million
- Indian homes: 47,095
- Number of projects: 921



# SFC Program

## Foundations for future success

Tribal-IHS partnerships: identify, fund, and construct improved sanitation facilities that support better quality of life and public health





# Questions/Answers

