# Oklahoma's CAP-SSSE Five-Year Floodplain Management Work Plan
# Fiscal Years 2005 through 2009

## ASSUMPTIONS:

- CAP-SSSE funding levels will remain at current levels.
- FEMA HQ and the Regions may assist states with some of the necessary baseline data for performance measures. States will also develop some necessary baseline data.
- The Outline and performance measures will be available by the ASFPM conference in May 2004, and the final state Plans will be due to the Regions NLT Sept 30, 2004.
- The transition to fully operational performance based State programs and agreements will occur between FY-2005-2009.
- The 5-year Plans will assist FEMA Regional Offices and FEMA HQ with CAP-SSSE flood loss reduction goal reporting requirements to the Department of Homeland Security. FEMA is required to report the performance of the CAP-SSSE program to DHS on a regular basis.
- The Plan is intended to be a "living document" and may require updating each year during the five years to reflect changes in the State.
- The Plan addresses, at a minimum, CAP-SSSE activities. States may expand the Plan into a strategic document.
- Map Modernization will be fully funded.
- The Plan is supportive of the State Map Modernization Business Plan.

## Purpose:

The purpose of the Community Assistance Program – State Support Services Element (CAP-SSSE) is to provide, through a State grant mechanism, a means to ensure that communities participating in the National Flood Insurance Program (NFIP) are achieving the flood loss reduction goals of the NFIP. CAP-SSSE is intended to accomplish this by funding States to provide technical assistance to NFIP communities and to evaluate community performance in implementing NFIP floodplain management activities with the additional goal of building community floodplain management expertise and capability.

## I. State authority:

Oklahoma Statutes: 82 O.S.2001, §§ 1601-1618, as amended, "The Oklahoma Floodplain Management Act," provides statutory authorization for Oklahoma Water Resources Board (OWRB) to assist communities in joining the NFIP and to regulate floodplain development on state owned or operated property.

## II. State vision for floodplain management:

"Promote sound water policies for the protection of life and property from flooding and to encourage the preservation and restoration of the natural functions of the floodplains."

## III. State strategy to improve floodplain management:

A. Communication

Oklahoma has 375 active NFIP communities and an additional 327 potential NFIP communities. Each community creates and maintains the floodplain management process locally. The state's program priorities in the recent past have been education and training of floodplain administrators and the general public. While the state's educational endeavors have been highly successful, we perceive a need to compliment these activities with increased community specific assistance and oversight. Therefore, the OWRB plans to increase the number of CAVs and CACs conducted annually. At the same time, staff also recognizes the need to increase monitoring of completed CAVs for follow-up compliance.

B. Education

Education will continue to be an integral part of Oklahoma's floodplain management program. During fiscal year 2004 Oklahoma saw a new law created to require the local floodplain managers to become accredited and attend annual training. Oklahoma will begin fiscal year 2005 with establishing the Rules to administer this accreditation program. Once this accreditation process begins, options to provide adequate training and monitoring of program requirements will need to be evaluated and adjusted as appropriate. The OWRB's education goals includes:

1. Preparing Rules for annual accreditation of the local floodplain managers.
2. Preparing a series of one-half day and/or one-day topic specific workshops on subjects identified as of concern by the State of Oklahoma NFIP Communities,
3. Identifying and correlating Council of Government with watershed basin authorities to act as hosts for regularly scheduled training opportunities,
4. Coordinate the workshop curriculum with the Oklahoma Floodplain Managers Association to provide an opportunity for Continuing Education Credits for the state's Certified Floodplain Managers.

C. Technical Assistance

During the next five years technical assistance for the NFIP in Oklahoma will focus on:

1. Local ordinance revision,
2. Enhanced local permit processes,
3. Development of supportable best available flood data where maps do not exist or will be delivered late in the map modernization process,
4. Timely review and adoption of new digital flood insurance rate maps,
5. Assistance in marketing flood insurance at the local level, and
6. The use of Geographical Information Systems available from the state.

## IV. Needs analysis and gap assessments

Appendix 1. supplies a matrix of the OWRB's proposed program elements relevant to each of the following fundable CAP-SSSE activities for FY-2005-2009 (refer to the FY-2004 CAP-SSSE Guidance for a description of each "fundable" activity):

1. Developing the 5-Year Floodplain Management Work Plan
2. Ordinance assistance
3. CAV/CACs
4. CIS data entry
5. State model ordinance research
6. Workshops and other training
7. General technical assistance
8. Mapping assistance
9. Coordination with other State programs to ensure State NFIP compliance
10. Post disaster assistance to communities (it is recognized that State involvement in this activity is unpredictable)

The annual differences in the estimated costs are due to how our proposed mix of activities could vary from year to year and any multi-year efforts we plan to undertake.

## V. Map Modernization activities

OWRB strongly supports Multi-Hazard Flood Map Modernization. Our current efforts are primarily directed towards training and education of the local floodplain manager. OWRB strongly supports the Oklahoma Floodplain Managers Association and the Certified Floodplain Managers Program. Oklahoma's CFM program is nationally accredited, nationally recognized as one of the best in the nation and currently has 150 CFMs and 10 OCFMs. Staff also works closely with local officials in providing ordinance assistance and other technical assistance. OWRB supports the No Adverse Impact imitative and encourages communities to become NAI communities. Tulsa is a lead example of the NAI community as Tulsa leads the nation with a Class 2 CRS rating. OWRB is the flood map depository for the state of Oklahoma and maintains the current flood maps and flood insurance studies for its 375 NFIP participating communities.

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The Oklahoma Floodplain Management Act's primary purpose is the protection of life and property from flooding and to encourage the preservation and restoration of the natural functions of the floodplains. This legislation mandated OWRB to regulate floodplain development on State Owned or Operated Property and is a very important aspect of OWRB's floodplain program. This legislation also requires communities to establish a five-member floodplain board and adopt a flood map prior to joining the NFIP.

The OWRB is an active member of the State Hazard Mitigation Team and is involved with the Oklahoma Emergency Management office in developing an enhanced All Hazards State of Oklahoma Mitigation Plan. The number one task is to reduce the repetitive loss properties in Oklahoma. A key component to keeping repetitive flood loss to a minimum is to know what areas are flood prone. Accurate, digitized floodplains with identified floodways are critical to realizing our goals and objectives for flood loss reduction in Oklahoma. Floodplains with no base flood elevations and floodways identified handicap our floodplain managers and impede us in achieving our goals.

OWRB's partners include the Oklahoma Floodplain Managers Association, the Oklahoma Department of Emergency Management, FEMA, the USACE, the USGS, the NRCS, the Oklahoma Department of Environmental Quality, the Oklahoma Corporation Commission, the Oklahoma Department of Health, the Oklahoma Department of Mines, the Oklahoma Conservation Commission, The Oklahoma Insurance Department, The Oklahoma Real Estate Commission, the Bureau of Reclamation, the Oklahoma Department of Wildlife Conservation, the Association of State Floodplain Managers, Inc., URS, the Oklahoma Climate Survey, the Oklahoma GIS Council, the Oklahoma Municipal League, the Association of County Commissioners, all mortgage lending institutions statewide, and the many other private partners throughout the state.

The State of Oklahoma's vision is to increase their current role in the Map Modernization Program for the first year. The State vision for the first year is for the Oklahoma Water Resources Board (OWRB) to form a partnership between State agencies, local communities, and FEMA. Region VI staff will continue to handle overall management of the program and lead study scoping activities with the assistance from the FEMA National Service Provider (NSP), which may serve in a program-management capacity for all mapping efforts. FEMA Region VI Indefinite Delivery–Indefinite Quantity (IDIQ) contractors will be called upon to handle the majority of study engineering work, while the NSP will be responsible for engineering review, Digital Flood Insurance Rate Map (DFIRM) production, and post-preliminary processing. The State of Oklahoma will be assisting in the establishment of study priorities as well as community coordination and outreach associated with the Map Modernization Plan.

The State's goals are to revise the Map Modernization Plan for the following years to include additional activities that will be better supported through State government initiatives. These goals include ongoing outreach and other scoping/coordination activities for the first year. The OWRB and its partners will investigate opportunities to contract existing paper map conversion to digital format and will investigate existing state data layers and their utility for floodplain management activities. In addition, the OWRB and its partners will establish priorities from documented needs, scoping activities, and FEMA's 2004 Performance Metrics that prioritize

mapping needs for the following years' work plan. As a Cooperating Technical Partner, the state will requested funding to contract conversion of paper FIRMS to digital format for five counties in the first year and for ten counties for the second and third years. In the third year, the State will reevaluate its capability to become more involved in updating flood insurance studies as needed. In the fourth and fifth years the State will contract and coordinate flood insurance studies and digital mapping for two counties as well as continuing paper conversion mapping work each year for five counties.

## VI. Describe your system for evaluating your State's performance

The NFIP provides citizens an opportunity to mitigate their flood risk potential for economic disaster and, through risk awareness, helps prevent tragic loss of life. The NFIP is also governed by the need to accomplish this admirable mandate as cost effectively as possible. Within Oklahoma the following performance measures address these two complimentary objectives by establishing trend information for economic costs and citizenry awareness and reaction to their flood risk potential. Part of FY2005 will be devoted to establishing and refining basic baseline data for each of the following outcome/outputs in order that trend analysis for future years will be more meaningful and creditable. .

| Outcome/Output | Method of Measurement |
|---|---|
| *Maintain or improve the % of communities that adopt new maps by the FIRM effective date. | *Compare the number of communities receiving new maps with how many adopted the new maps and have compliant ordinances (i.e., how many were suspended for failure to adopt).<br><br>**Shared performance measure that all States will include in the Plans.* |
| Maintain or increase the number of flood prone communities enrolled in the NFIP in your state. | Compare the number of flood prone communities enrolled in the program at the end of FY-2004 with the number in subsequent years, or with the number of non-participating flood prone communities that should be enrolled. |
| Maintain or increase the percentage of insurance policies issued in participating flood prone communities | Compare the percent of policies issued in participating communities for the population of structures within established flood hazard areas at the end of FY-2004 with the percent in subsequent years. |
| Increase the number of CRS communities or CRS class improvements. | Compare the number of CRS communities in FY-2004 with the number in subsequent years. |
| Increase the number of technical assistance contacts (CAVs and CACs) to communities in your state that result in increased compliance. | Compare the number of CACs and closed CAVs reported in CIS and compare the number to subsequent year totals. |

| Outcome/Output | Method of Measurement |
|---|---|
| Numeric or percentage of repetitive loss structures mitigated, with special emphasis on those repetitive loss properties on the target list. | Work closely with the FEMA Regions to develop projects for HMGP, or applications for PDM that address mitigation of repetitive loss structures. |
| Increase floodplain management training in the State. | Compare the number of local officials, surveyors, engineers attending workshops in FY-2004 and compare to subsequent years. |
| Increase the number of certified floodplain managers (CFM) in the state. . | Compare the number of CFMs in FY-2004 with the number in subsequent years. |
| Establish or increase participation in a State Floodplain Management Association. | Compare the number of attendees participating at OFMA's annual conference in FY-2004 with the number in subsequent years. |
| Quantify general technical assistance calls that your office handles. | Document all general technical assistance calls in CIS<br>Recommend that the State categorize the type of calls (mapping, flood insurance, etc.) and the constituent group (local govt., citizen, etc).<br>We will be developing a screen in CIS for this purpose to document these. |

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APPENDIX 1. Oklahoma's CAP-SSSE Five-Year Floodplain Management Work Plan
Fiscal Years 2005 through 2009

| "Fundable" Activities* | TASKS | 2005 | | 2006 | | 2007 | | 2008 | | 2009 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hrs. | Costs** | Hrs. | Costs | Hrs. | Costs | Hrs. | Costs | Hrs. | Costs |
| 1 | OWRB will update its 5-year floodplain management plan | 180 | 8100 | 180 | 8100 | 180 | 8100 | 200 | 9000 | 200 | 9000 |
| 2 | OWRB will assist communities with ordinance updates as needed. | 400 | 18000 | 450 | 20250 | 500 | 22500 | 500 | 22500 | 500 | 22500 |
| 3 and 4 | OWRB will conduct CAVs and enter into CIS | 720 | 32400 | 1080 | 48600 | 1440 | 64800 | 1800 | 81000 | 2520 | 113400 |
| 3 and 4 | OWRB will conduct CACs and enter into CIS | 160 | 7200 | 200 | 9000 | 200 | 9000 | 250 | 11250 | 300 | 13500 |
| 6 | OWRB will conduct half –day and one day workshops statewide | 480 | 21600 | 480 | 21600 | 450 | 20250 | 450 | 20250 | 450 | 20250 |
| 6 | OWRB will host one-week course(s) of Managing Floodplain Development Through the NFIP (staff hrs.) | 80 | 3600 | 160 | 7200 | 160 | 7200 | 160 | 7200 | 160 | 7200 |
| 6 | OWRB one-week course(s) (class pkg.) | 0 | 15000 | | 30000 | | 30000 | | 30000 | | 30000 |
| 6 | State Floodplain Manager (SFPM) will gain/provide training at OFMA workshops, ASFPM Conferences, etc. | 150 | 6750 | 150 | 6750 | 150 | 6750 | 150 | 6750 | 150 | 6750 |
| 6 | OWRB will continue to move towards the accreditation of local floodplain managers | 240 | 10800 | 100 | 4500 | 100 | 4500 | 100 | 4500 | 100 | 4500 |
| 6 | OWRB will update FEMA on OFMA's CFM program | 16 | 720 | 16 | 720 | 16 | 720 | 16 | 720 | 16 | 720 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hrs. | Costs** | Hrs. | Costs | Hrs. | Costs | Hrs. | Costs | Hrs. | Costs |
| 6 | OWRB will implement a flood awareness campaign each spring in conjunction with its five workshops and in coordination with the Governor's office | 320 | 14400 | 320 | 14400 | 320 | 14400 | 320 | 14400 | 320 | 14400 |
| 7 | OWRB will continue to provide general technical assistance to its external customers | 416 | 18720 | 450 | 20250 | 475 | 21375 | 500 | 22500 | 500 | 22500 |
| 7 | OWRB will assist communities with CRS activities as needed | 32 | 1440 | 35 | 1575 | 40 | 1800 | 40 | 1800 | 40 | 1800 |
| 7 | OWRB will update the directory of local floodplain administrators as needed and post on agency web site | 40 | 1800 | 42 | 1890 | 45 | 2025 | 50 | 2250 | 50 | 2250 |
| 8 | OWRB will coordinate with FEMA and IDIQ state on implementation of its State Modernization Business Plan and related activities | 800 | 36000 | 1500 | 67500 | 2000 | 90000 | 2000 | 90000 | 2000 | 90000 |
| 9 | OWRB will attend 2 CAP coordination meetings at Region VI | 96 | 4320 | 96 | 4320 | 96 | 4320 | 96 | 4320 | 96 | 4320 |
| 9 | OWRB will work with ODEM, OFMA, OEMA, OID and the Oklahoma Legislature to improve floodplain management in Oklahoma | 32 | 1440 | 35 | 1575 | 40 | 1800 | 40 | 1800 | 40 | 1800 |
| 9 | OWRB will manage and administer its state floodplain permitting program | 480 | 21600 | 480 | 21600 | 500 | 22500 | 500 | 22500 | 500 | 22500 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hrs. | Costs** | Hrs. | Costs | Hrs. | Costs | Hrs. | Costs | Hrs. | Costs |
| **9 and 10** | **OWRB will continue to work with ODEM and FEMA in case of a federal disaster declaration** | 120 | 5400 | 120 | 5400 | 120 | 5400 | 120 | 5400 | 120 | 5400 |
| **All** | **OWRB will continue to partner with OFMA in the publication of the BFE newsletter** | 64 | 2880 | 64 | 2880 | 64 | 2880 | 64 | 2880 | 64 | 2880 |
| **All** | **OWRB will publish two 2-page Flood Current inserts in the OWRB news letter** | 80 | 3600 | 80 | 3600 | 100 | 4500 | 100 | 4500 | 100 | 4500 |
| **All** | **OWRB will assist FEMA staff with its CCO meetings** | 16 | 720 | 16 | 720 | 16 | 720 | 16 | 720 | 16 | 720 |
| | | | | | | | | | | | |
| **TOTAL ESTIMATED COSTS** | | | **236490** | | **302430** | | **315540** | | **366240** | | **400890** |
| | | | | | | | | | | | |
| **CURRENT FUNDING LEVELS** | | | | | | | | | | | |
| **FY2004 Initial Funding** | **Federal (75%)** | | **157202** | | **157202** | | **157202** | | **157202** | | **157202** |
| | **State (25%)** | | **52400** | | **52400** | | **52400** | | **52400** | | **52400** |
| | | | | | | | | | | | |
| **POTENTIAL FUNDING GAPS** | | | **26888** | | **92828** | | **135938** | | **156638** | | **191288** |

*Refer to Section IV for corresponding numbers for fundable tasks.

**Costs and funding does not take inflation into account. All costs except workshops are in estimated hourly wages averaged at $45.00/hour, which includes indirect and fringes.