AICP Exam Prep
Spring 2022

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Steven Thomas, AICP  PDC Member
Keith Portugal, AICP

American Planning Association
Pennsylvania Chapter
Making Great Communities Happen
Housekeeping Items

- Please use chat box to ask questions
- We will take two, 10-minute breaks (one in the AM and one in the PM) and a half hour lunch break
- The session is being recorded
# Today’s Agenda

<table>
<thead>
<tr>
<th>Topic Area</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Introduction, Test Background &amp; Tips</td>
<td>9:00-9:50</td>
</tr>
<tr>
<td>Recent Test Taker</td>
<td>9:50-10:15</td>
</tr>
<tr>
<td>Fundamental Planning Knowledge</td>
<td>10:15 – 11:05</td>
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<tr>
<td>10 minute morning break</td>
<td>11:05 – 11:15</td>
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<tr>
<td>Leadership; Administration and Management; and Communication and Interaction</td>
<td>11:15 – 11:30</td>
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<tr>
<td>AICP Code of Ethics &amp; Professional Conduct</td>
<td>11:30 – 12:00</td>
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<tr>
<td>Lunch</td>
<td>12:00 – 12:30</td>
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<tr>
<td>Plan and Policy Development; Plan Implementation; Research and Assessment Methods</td>
<td>12:30 – 1:30</td>
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<tr>
<td>Areas of Practice (Part 1)</td>
<td>1:30 – 2:00</td>
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<tr>
<td>10 minute afternoon break</td>
<td>2:00 – 2:10</td>
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<tr>
<td>Areas of Practice (Part 2)</td>
<td>2:10 - 3:30</td>
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<tr>
<td>Wrap-up and final questions</td>
<td>3:30 - 4:00</td>
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QUESTIONS ARE WELCOME AT ANY TIME! - Please use Chat Box
AICP - American Institute of Certified Planners

❖ APA’s professional institute

❖ To be AICP, a planner must:
  ▪ meet requirements for education and experience,
  ▪ pass the AICP exam,
  ▪ pledge to uphold ethical standards (AICP Code of Ethics), and
  ▪ engage in ongoing professional development (Certification Maintenance)
Education and Experience Criteria

- **Education**
  - Graduate planning degree (PAB): 2 years
  - Bachelor’s planning degree (PAB): 3 years
  - Graduate planning degree (non-PAB): 3 years
  - Other degree: 4 years
  - No college degree: 8 years

- **Experience – Professional Planning as defined by AICP**
  - Demonstrate a professional level of responsibility and resourcefulness while applying a planning process appropriate to the project or situation.
  - Evaluate multiple impacts to a community when implementing professional planning tasks.
  - Influence public decision making in the public interest
Certification Process - “One Path to AICP”

- Step 1: Register and Schedule Exam ($255)
- Step 2: Test and earn the AICP Candidate designation when you pass
- Step 3: Apply your education, employment, and experience to meet the AICP professional planning practice requirements, and achieve AICP Certification
Certification Process

❖ AICP Certification Guide
  ❖ Planning Experience Assessment Worksheet to review the professional planning experience requirements for certification
  ❖ Interactive Experience Calculator to tally your years of professional planning experience to see how soon you can submit your Planning Experience Assessment
  ❖ Planning Curriculum Worksheet to confirm how much professional planning experience you’ll be required to provide

❖ Approved applicants may register for the exam and submit planning experience essays during the specified submission windows.
❖ Members must pass the AICP Certification Exam and their planning experience essays must be approved before AICP Certification is earned.
Testing Process

❖ Schedule on your own with Prometric. Testing options:
   ❖ In-person at a test center
     ❖ Bring proper ID (2 forms). You must arrive at the test center 30 minutes before your scheduled appointment to complete the required admission process before testing begins.

❖ Remote (ProProctor)
   ❖ Before you select ProProctor as your testing option, you must confirm your computer meets the basic system requirements for online proctoring, complete a system check, and confirm your testing environment is suitable.
   ❖ The room you test in must be empty with the door closed.
   ❖ You may not have other people, children, or pets in the room while you take the exam.
   ❖ Your proctor must complete a 360-degree scan of your testing environment, so be prepared to turn your webcam, so they can view your room.
Testing Process

- Transfers: Members may transfer online without contacting APA. A $100 transfer fee must be paid online to complete the transfer. The transfer is not tied to the next exam cycle and may be used for any future exam window.

<table>
<thead>
<tr>
<th>TIME PERIOD</th>
<th>FEE</th>
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<tbody>
<tr>
<td>30 or more days before the test date</td>
<td>None</td>
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<td>2-29 days before the scheduled test date</td>
<td>$35 (to be collected by Prometric from member)</td>
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<tr>
<td>Less than 2 days before the test date</td>
<td>Full exam fee</td>
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<tr>
<td>Fail to appear for the scheduled test</td>
<td>Full exam fee</td>
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<tr>
<td>15 minutes after the scheduled start time on the test date and is refused entry</td>
<td>Full exam fee</td>
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- APA Exam Bulletin and APA staff for any questions – don’t wait until it’s too late
Application Process

❖ To apply for your AICP certification you must:
  1. Be a current member of the American Planning Association (APA).
  2. Pass the AICP Certification Exam.
  3. Have completed one of the combinations of education and corresponding years of professional planning experience.

❖ Section 1: Education Verification
  ❖ APA will accept education verification in one of the following three forms:
    ❖ University transcript. E-transcripts are also accepted.
    ❖ Photocopy of diploma.
    ❖ Letter from school dean, registrar, or program director confirming that the degree was conferred. The letter must be printed on school/university letterhead and include the letter writer’s title and contact information.
Application Process

❖ Section 2: Employment History

❖ For each position needed to meet the experience requirements, provide:
  ❖ Employer
  ❖ Position title
  ❖ Dates of employment
  ❖ Full-time or part-time indication
  ❖ Current/former supervisor
  ❖ Email address of supervisor
  ❖ Detailed summary of professional planning tasks and responsibilities
Application Process

❖ Section 3: Planning Experience Assessment

❖ Must demonstrate that your experience meets AICP’s definition of professional planning experience as specified in the three criteria by selecting all items that apply from comprehensive lists that align with each criterion and completing open-text fields with brief written examples from your verified employment history.

❖ Criteria:

❖ Criterion 1: Demonstrate a Professional Level of Responsibility and Resourcefulness While Applying a Planning Process Appropriate to the Project or Situation

❖ Criterion 2: Evaluate Multiple Impacts to a Community When Implementing Professional Planning Tasks

❖ Criterion 3: Influence Public Decision-making in the Public Interest
Application Process

❖ A fee is due upon submission ($255).
❖ Your assessment will undergo a review, and APA will email you with your assessment status within 8 weeks of submission.
  ❖ If required education verification or employment history information is missing, you will be notified that your submission is incomplete, and you will need to submit the missing information for your application to move forward.
❖ If your assessment is approved, you’ve completed the requirements in the certification process and will receive an email with your last step, including your AICP initial dues, that will begin your AICP Certification.
❖ If your assessment is denied, you will receive notification via email that includes information that addresses the specific reasons behind the denial decision.
  ❖ Depending on your situation, you may need to wait to gain more professional planning experience, or simply reapply in the next application window with more focused assessment responses that better demonstrate how your work experience meets the professional planning experience criteria required for certification.
Spring 2022 AICP Certification Cycle

- **STEP 1: REGISTRATION**
  - **Opens:** April 4, 2022 at 9:00am CST
  - **Closes:** April 29, 2022 at 3:00pm CST
  - **Transfer Deadline:** May 26, 2022 at 3:00pm CST

- **STEP 2: EXAM**
  - **Exam Window:** May 2–27, 2022

- **STEP 3: EXPERIENCE**
  - **Opens:** July 5, 2022 at 9:00am CST
  - **Closes:** July 29, 2022 at 3:00pm CST

<table>
<thead>
<tr>
<th>AICP Certification Fees</th>
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<tbody>
<tr>
<td>Registration Fee</td>
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<tr>
<td>Transfer Fee</td>
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<tr>
<td>Planning Experience Assessment Fee</td>
<td>$255</td>
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<tr>
<td>Appeal Fee</td>
<td>$100</td>
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Exam Overview

❖ The AICP Certification Exam:

- Tests a planner’s ability to succeed at the levels of education and experience required by AICP certification — to think critically, anticipate consequences, and mitigate problems;
- Recognizes that all planners achieving AICP must share a fundamental knowledge of core elements and competencies that form the foundation of our profession;
- Is written by AICP members who are practitioners or educators working in the public and private sectors;
- Relates to what planners should know today, including innovative practices, emerging issues, trends, and best practices;
- Reflects that planning occurs at the intersection of many disciplines, and that planners frequently work as conveners and facilitators within communities and with experts in other fields;
- Emphasizes that the AICP Code of Ethics is fundamental to being an AICP-certified planner and is the foundation for much of what planners do; and
- Tests knowledge of planning as practiced throughout the United States, and not in any particular region, state, or place.
Test Background

- 170 multiple choice questions (20 sample, 150 real - must answer approximately 110 – 115 of 150 correct to pass)
- Scaled scoring - 55 has typically been the passing score on scaled range of 25 to 75
  - May 2022 exam will be the first administration of the exam under a new content outline. A new passing score will be developed using data. The exam scores will not be immediately available and will be provided to testers in late June. Pass rate is approximately 65%
- 3 ½ hours to complete (brief tutorial before exam)
# New Test Content Outline

- Takes effect for May 2022 exam

<table>
<thead>
<tr>
<th>Old Outline</th>
<th>New Outline</th>
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<tbody>
<tr>
<td>Fundamental Planning Knowledge – 25%</td>
<td>Fundamental Planning Knowledge – 15%</td>
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<tr>
<td>Plan Making &amp; Implementation – 30%</td>
<td>Plan and Policy Development – 15%</td>
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<tr>
<td>Plan Implementation – 12%</td>
<td>Plan Implementation – 12%</td>
</tr>
<tr>
<td>Research and Assessment Methods – 11%</td>
<td>Research and Assessment Methods – 11%</td>
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<tr>
<td>Areas of Practice – 30%</td>
<td>Areas of Practice – 12%</td>
</tr>
<tr>
<td>Leadership, Administration &amp; Management – 5%</td>
<td>Leadership – 6%</td>
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<tr>
<td>Administration and Management – 6%</td>
<td>Administration and Management – 6%</td>
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<tr>
<td>Communication and Interaction – 13%</td>
<td>Communication and Interaction – 13%</td>
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<tr>
<td>AICP Code of Ethics &amp; Professional Conduct – 10%</td>
<td>AICP Code of Ethics &amp; Professional Conduct – 10%</td>
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New Test Content Outline

- The updated content outline retains all previous topics and elevates some topics by making them a separate category.

- There will be a new question format with multiple questions based on one scenario.

- All new questions do not count towards the final exam score- including the scenarios.
  - They are considered "pre-test" to allow Prometric to collect data on their performance before they are moved to the scored portion of the exam.
How Should You Prepare?

Review the APA outline of material

Allocate study time according to the APA outline

AND

your own background

Study early and often

Identify weak areas...use practice exams...study groups

Get at least one comprehensive study source and supplement

with other sources as necessary
How Should You Prepare?

Get a Comprehensive Study Source!!!

- PA Chapter 2007 PDC Study Notes *(free)*
- Planetizen AICP Exam Preparation Course (approx. $275 for the online course)

*Do not all take into account the 2022 changes to the exam outline.*

*Planetizen course is online, including practice exams/questions*
Study Materials from PA Chapter

www.planningpa.org
For Planners
Professional Planners
AICP Exam Prep

- PDC Study Notes
- Prior Prep Session PowerPoints
- Ethics presentation and scenarios
- Test Taker Perspective
Study Materials from Other Chapters

- North Carolina – law
- Florida
- Georgia

- Planning Webcast series on YouTube...prep videos from various chapters, plus others now

Be mindful of going too deep into the weeds...
Study Materials from APA

https://www.planning.org/certification/register/

❖ Ethics Code and Information/PowerPoints
❖ Policy Guides (www.planning.org/policy/guides)
❖ National Planning Pioneers (https://www.planning.org/awards/pioneers/)
❖ Chapter Presidents Council Timeline (available on APA website)
❖ American Planning History Since 1900 – interactive timeline (https://www.planning.org/timeline/)
❖ Planning Advisory Service (PAS) Reports (www.planning.org/pas/reports/)
❖ NPC 2021 Exam Prep Workshop
AICP Certification Exam
Selected Resources

Planners preparing for the AICP Certification Exam should study the content outline and make note of the topical areas in which they need additional information. The following list is designed to be a guide to identifying those resources that can help the planner fill in the gaps in their knowledge based on their review of the content outline. Please note the following:

- Many readings are available as e-books to borrow from the APA online library, from any well-stocked planning office, or a university library.
- Those choosing to purchase should consider purchases that not only help in preparing to take the exam but also serve as long-lasting references for professional practice.
- Those interested in additional APA-published reading lists should consider The Essential Planning Library Revisited and 100 Essential Books of Planning.
- This resource list was compiled in December 2018.
Other Sources

- www.planningprep.com (questions)
- Electronical flashcards: www.studystack.com (search AICP) and gFlash app for mobile devices
- www.oyez.org (legal…but use NC Chapter notes first)
- Cyburbia: www.cyburbia.org/forums
- Chapter Presidents Council manual (in depth in areas, not comprehensive)
- AICP Exam Secrets (Mometrix Media)
Exam Questions

Practice exams are critical, but don’t memorize specific questions – use them to understand your grasp of the topic. Format quality varies greatly.

Real questions require a mix of professional judgment and technical knowledge. In the past APA has noted that the exam tests 40% knowledge and 60% skills.

The real exam has a much greater percentage of longer, scenario based questions than most practice exams currently available.
sample question

an urban municipality has received grant funding to restore riparian buffers in order to improve the untreated water quality of the municipality's public water, which is drawn partially from surface waters. which of the following steps is not necessary to get the project underway?

a. research existing databases for information on water quality within the source waters' watershed.
b. determine ownership of parcels along all surface waters within the municipality.
c. review aerial photography to assess conditions adjacent to waterways within the source waters' watershed.
d. research the most effective riparian buffer restoration methods for water quality improvement (such as differing buffer widths and vegetation type).
e. contact adjacent municipalities that contain any of the source waters' watershed.

answer: b. this exact step is not needed. determining ownership for certain parcels in the source watershed will likely be needed later in the process.
Sample Question

You are a planning director at a county that is going to be implementing countywide zoning for the first time. Which steps would be critical in this process?

I. General public education on the purpose and value of zoning.
II. GIS analysis of existing land uses throughout the county
III. Planning department staff review of the Future Land Use Plan in the County Comprehensive Plan.
IV. Specific outreach to stakeholders (including business community, developers, and community interest groups).
V. Outreach through a variety of methods (including website, social media, traditional print media, and public meetings).

A. I only  
B. I, II, and V  
C. I, II, III, and V  
D. I, II, III, IV, and V

Answer: D.
Test Tips

❖ Get plenty of rest for the exam
❖ Dress in layers
❖ Eat before the exam
❖ Arrive early
❖ Answer every question
❖ **Use the “marking” option**
❖ Think of answer before reviewing choices
❖ Skim answers before reading long questions
❖ Do math twice
❖ **Think national**
❖ **Think APA**
Recent Test Taker
Fundamental Planning Knowledge - 15%

- History of planning, planning movements, influences on planning
- Foundational legal principles and decisions
- Theories of & about planning
- Patterns of human settlement
- General terminology, practices, & principles of related professions
- Natural, social, & economic systems
- Core values of planning (equity, social justice, democratic engagement, etc.)

The May 2022 exam may feature sample test questions on a new subarea of fundamental planning knowledge: Information technology tools (e.g., visualization, spatial software, big data analytics, modeling)

Georgia Chapter has an extensive review of fundamental planning knowledge on their website
Fundamental Planning Knowledge

*The Practice of Local Government Planning*

(aka the Green Bible, 1941)

- 2nd chapter of the 2nd edition is excellent for historical background

- 3rd edition is more up to date in all other areas and a little less of a dry read

- 4th edition changed format somewhat

- Know general dates, people, events, philosophies, publications, movements, acts, laws....
**Fundamental Planning Knowledge - History**

**History - Know the amendments!**

- **First Amendment** – Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the **freedom of speech**, or of the press; or the right of the people **peaceably to assemble**, and to petition the government for a redress of grievances.

- **Fifth Amendment** – No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a grand jury, except in cases arising in the land or naval forces, or in the militia, when in actual service in time of war or public danger, nor shall any person be subject for the same offense to be twice put in jeopardy of life or limb, nor shall be compelled in any criminal case to be a witness against himself, **nor be deprived of life, liberty or property, without due process of law**, nor shall private property be taken for public use, **without just compensation**.

- **Fourteenth Amendment** - Section 1. All persons born or naturalized in the United States, and subject to the jurisdiction thereof, are citizens of the United States and of the state wherein they reside. No state shall make or enforce any law which shall abridge the privileges or immunities of citizens of the United States; **nor shall any state deprive any person of life, liberty, or property, without due process of law**; nor deny to any person within its jurisdiction the equal protection of laws. There are four other sections of this amendment which do not immediately pertain.
Fundamental Planning Knowledge - History

Know the Fathers!

- Father of Regional Planning
- Father of Zoning
- Father of City Planning
- Father of Modern Ecology
- Father of Modern Housing Code
- Father of Advocacy Planning

- Patrick Geddes
- Edward Bassett
- Daniel Burnham
- Ian McHarg
- Lawrence Veiller
- Paul Davidoff
Fundamental Planning Knowledge - History

Important people...not a complete listing

- Lawrence Veiller
- Robert Moses
- Clarence Perry
- Paul Lawrence
- Lewis Mumford
- Paul Davidoff
- Saul Alinsky
- Sherry Arnstein
- Jacob Riis
- Camillo Sittee

- Lincoln Steffens
- Robert Hunter
- Edward Bassett
- Patrick Geddes
- Joseph Hodnut
- Jane Jacobs
- Frank Lloyd Wright
- Lawrence Haworth
- T.J. Kent
- Alan Altshuler
Fundamental Planning Knowledge - History

More People

- Charles Lindblom
- Ian McHarg
- Mary Brooks
- Christaller
- Ernest Burgess
- Homer Hoyt
- LeCorbusier
- James Rouse
- Andres Duany
- Joel Garreau

- Robert Lang
- Frederick Law Olmsted Sr. and Jr.
- Alfred Bettman

*Get to know these folks and their peers!*
Fundamental Knowledge – Foundational legal principles & decisions

Cases

❖ 1887 – Mugler v Kansas: 14th Amend/Due Process case which ruled that KS could prohibit sale of alcohol based on PP.

❖ 1909 – Welch v Swasey: Boston can impose different height limits on buildings in different districts.

❖ 1912 – Eubank v City of Richmond: A ZO establishing building setback lines was held unconstitutional and not a valid use of the PP; violates the due process of law and is therefore unconstitutional under the 14th Amendment.

❖ 1915 – Hadacheck v Sebastian: SC upheld Los Angeles case prohibiting establishment of a brick kiln within a recently-annexed 3-mile area.

❖ 1922 – Pennsylvania Coal Company v Mahon: SC indicated for the first time that a regulation of land use might be a taking if it goes too far.

❖ 1926 – Village of Euclid v Ambler Realty Co.: Established zoning as a legal use of PP by local government. The main issue in this case was “nuisance”, and that a certain use near a residence could be considered “a pig in a parlor”. Argued by Alfred Bettman, future 1st president of ASPO.

❖ 1928 – Nectow v City of Cambridge: Court found for Nectow and against a provision in Cambridge’s ZO based on the due process clause. However, it did NOT overturn Euclid. This was the last zoning challenge to come before the SC until...
1954 – Berman v Parker: Established aesthetics and redevelopment as valid public purposes for exercising eminent domain. Wash.DC took private property and resold to a developer to achieve objectives of an established redevelopment plan.

1968 – Jones v Mayer: Ruling that discrimination in selling houses was not permitted based on the 13th Amendment and Section 1982 abolishing slavery and creating equality for all US citizens.

1968 – Cheney v Village 2 at New Hope: Legitimized planning unit development (PUD) process.

1972 – Golden v Planning Board of the Town of Ramapo: NY State Court of Appeals case that upheld a growth control plan based on the availability of public services. Case further emphasized the importance of the Comp Plan and set the scene for nationwide growth management plans.

1971 – Citizens to Preserve Overton Park v Volpe: Established hard look doctrine for environmental impact review. Section 4(f) DOT Act of 1966 – park use ok if no “feasible and prudent” alternative and “all possible planning to minimize harm”.

1972 – Sierra Club v Morton: Opened up environmental citizen suits to discipline the resource agencies.

1972 - Just v Marinette County: Significantly integrated public trust theories into a modern regulatory scheme. Shoreland zoning ordinance along navigable streams and other water bodies upheld.

1973 – Fasano v Board of Commissioners of Washington Co., Oregon: Required zoning to be consistent with comp plans, and recognized that rezonings may be judicial rather than legislative. Central issue was spot zoning, which must meet the two measures to be deemed valid: 1st, there must be a public need for the change in question; 2nd, the need must be best served by changing the zoning of the particular parcel in question as compared with other available property.

1974 – Village of Belle Terre v Boraas: SC upheld the restrictive definition of a family as being no more than two unrelated people living together.

1975 – South Burlington County NAACP v Township of Mount Laurel I: NJ Supreme court held that in developing municipalities in growing and expanding areas, provision must be made to accommodate a fair share of low and moderate income housing.
Fundamental Knowledge – Foundational legal principles & decisions - Cases

- **1975 – Construction Industry of Sonoma County v. Petaluma:** Limited the # of residential building permits per year to 500 & placed a population cap of 55,000. The purpose was to make sure that the growth rate did not exceed the City’s ability to fund capital improvements. Court upheld.

- **1976 – Young v. American Mini Theaters:** First sexually-oriented business case, which held that zoning for adult businesses does not automatically infringe on 1st amendment rights.

- **1976 – Hills v Dorothy Gautreaux:** The Chicago Housing Authority and HUD had to spread out concentration of public housing (scattered site housing), including into white suburbs that were not necessarily within Chicago. Argued under the Civil Rights Act of 1964.

- **1976 – Home Builders v. City of Livermore:** Growth policy that timed phasing of future residential growth until performance standards are met; upheld the use of a moratorium.

- **1977 – Village of Arlington Heights v Metropolitan Housing Development:** Established that discriminatory intent is required to invalidate zoning actions with racially disproportionate impact. Court overturned denial of rezoning to allow for multi-family residences in a previously single-family zoned area.

- **1978 – Penn Central Transportation Company v The City of New York:** Restrictions on the development of Grand Central Station did NOT amount to a taking, since Penn Central could use TDR and secure a reasonable return on the property. Validated historic preservation controls.
1978 – TVA v. Hill (Secretary of Interior): Court forced full implementation and enforcement of the Endangered Species Act. Halted the Tellico Dam, which was almost completely built, because the endangered Snail Darter — a fish — was found.

1980 – Agins v. City of Tiburon: Ruled there is a takings when 1st, deprives property of all economically viable use; and 2nd, when it fails to enhance a legitimate government interest. Court found that the Open Space ZO of Tiburon does NOT result in a taking w/o just compensation.

1980 – Central Hudson v Public Service Commission: 1st Amendment case which overruled the NY State Public Service Commission’s total ban on an electric utility’s advertisements to increase electric usage.

1981 – Metromedia, Inc v City of San Diego: Ordinance that substantially restricted on-site and off-site billboards was ruled unconstitutional under 1st amendment.

1982 – Loretto v Teleprompter Manhattan CATV Corporation: Court held that any physical occupation is a taking, no matter how de minimus (landlords had been required under state law to allow cable company to install permanent cable TV facilities on their property).

1983 – South Burlington County NAACP v Township of Mount Laurel II: This finding cured the deficiencies of Mt. Laurel I, and created the model fair housing remedy for exclusionary zoning. Municipalities must provide their fair share of low and moderate income housing in their region. A special 3-judge panel was set up to rule on exclusionary zoning cases.
1984 – Members of City Council v Taxpayers of Vincent: 1st amendment case which allowed the City Council to exert control over posting of election signs on public telephone poles.

1985 – City of Cleburne v Cleburne Living Center: SC decision which ruled that the City had illegally denied group homes special use permits based on neighbor’s unfounded fears.

1985 – Williamson County Regional Planning Commission v Hamilton Bank: Defined the ripeness doctrine for judicial review of takings claims.

1986 – City of Renton v Playtime Theaters: Upheld the requirement of minimum distances between SOBs.

1987 – First English Evangelical Church of Glendale v Co of Los Angeles: Allowed damages (as opposed to invalidation) as a remedy for regulatory taking. Just compensation clause of the 5th Amendment requires compensation for temporary takings which occur as a result of regulations that are ultimately invalidated.

1987 – Nollan v California Coastal Commission: Created the essential nexus takings test for conditioning development approvals on dedications & exactions. A relationship must exist between what a property owner wants (in this case, a building permit to add a second story) and what the local government wants (public access to beach). No relationship here.
1992 – Lucas v South Carolina Coastal Council: Defined categorical regulatory taking. Compensation must be paid when all economically beneficial uses of land are taken unless uses are disallowed by title or by state law principles of nuisance.

1994 – Dolan v City of Tigard: Extended Nollan’s essential nexus test to require “Rough proportionality” between development impacts and conditions on development. (bike path/store/lessening overall traffic)

1994 – City of Ladue v Gilleo: SC ruled that the display of a sign by a homeowner was protected by the 1st amendment under freedom of speech.

1995 – Babbitt v Sweet Home Chap. of Communities for a Great OR: Applied the Endangered Species Act to land development; Sec of Interior’s definition of harm is valid.

2002 – Tahoe-Sierra Preservation Council v Tahoe Regional Planning Agency: Sanctioned the use of moratoria & reaffirmed the “parcel-as-a-whole” rule for takings review. Moratoria on development not a per se taking under the 5th amendment, but should be analyzed under the multi-factor Penn Central test.

2005 – Lingle v. Chevron: Case brought by Chevron based on an Agins-type claim that one of Hawaii’s statutes did not “substantially advance legitimate state interests”. Court ruled that even though Lingle could not be upheld on that issue, it did NOT overturn the 1980 Agins case in the whole.
Fundamental Knowledge – Foundational legal principles & decisions

Cases

- **2005 – Kelo et al. v City of New London:** Like Berman v. Parker in 1954, involved the City taking private property by eminent domain and transferring it to a private entity for redevelopment. The Court held in a 5-4 decision that the general benefits a community enjoyed from economic growth qualified such redevelopment plans as a permissible “public use” under the takings clause of the 5th Amendment. New London was aided by existence of well-documented redevelopment plans.

- **2005 – City of Rancho Palos Verde v Abrams:** SC ruled that a licensed radio operator who was denied a CUP for a “commercial” antenna cannot seek monetary damages because it would distort the congressional intent of the Telecommunications Act of 1996.

- **2006 – Massachusetts v. EPA:** EPA must provide a reasonable justification for why they would not regulate greenhouse gases.

- **2006 – Rapanos v. United States:** The Army Corp of Engineers must determine whether there is a significant nexus between a wetland and a navigable waterway. This pulled back the ACOE’s jurisdiction regarding wetlands.

- **2006 – SD Warren v. Maine Board of Environmental Protection:** Hydroelectric dams are subject to Section 401 of the Clean Water Act.

APA-NC has great law information:
- Annotated Planning Law Outline
- Planning Law Case Chart
- Big Cases

APA Policy Guides: Takings, Billboard Controls
Public Health Movement - Late 1800s to 1920

Garden City Movement – Ebenezer Howard, John Ruskin

City Beautiful Movement - Daniel Burnham, 1893 World Fair Columbian Exhibit, 1909 Plan for Chicago

City Efficient Movement – 1920s Standardization (SSZEA/SCPEA)

City Humane Movement 1930s – New Deal

New Towns – 1935

City Functional Movement - 1940s
Fundamental Planning Knowledge
Planning Theories....

❖ Synoptic Rationality
❖ Incremental (Lindbloom)
❖ Transactive
❖ Advocacy (Davidoff)
❖ Radical
❖ Utopianism
❖ Rational Planning
Fundamental Planning Knowledge
Planning Theories on City Development...

- 1893 City Beautiful - Daniel Burnham
- 1898 Garden Cities - Ebenezer Howard
- 1920s Radiant City - Le Corbusier
- 1925 Concentric Ring Theory - Ernest Burgess
- 1932 Broad Acre City - Frank Lloyd Wright
- 1933 Central Place Theory - Christaller
- 1939 Sector Theory - Homer Hoyt
- 1945 Multiple Nuclei Theory - Harris and Ullman
- 1960 Bid Rent Theory - William Alonso
- 1964 Urban Realm - Vance
- 1982 New Urbanism - Seaside, Andres Duany
- 1987 Growth Machine Theory - Harvey and Molotch
- 1991 Edge City - Joel Garreau
- 1990s Smart Growth / Sustainability
Fundamental Planning Knowledge
Patterns of Human Settlement

- Ordinance of 1785 – provided for the rectangular land survey and settlement of the Old Northwest

Know the “nuts and bolts” of 1785 Ordinance:
- township = 36 sq mile of territory, 36 sections;
- each section = 640 acres, one square mile;
- used lat/long

e.g., growth and development of places over time, role of transportation in shaping urban form, cultural influences on the form of places
Fundamental Planning Knowledge

General terminology, practices, & principles of related professions

Review of Planning magazine (and similar) and supplemental sources/research to clarify any information is probably the extent needed for this content sub-area

Focus on those related professions that you haven’t interacted with during your career

e.g., public health, architecture, law, engineering, real estate, environmental restoration
Fundamental Planning Knowledge
Natural, social, and economic systems

Some of the details in these areas are covered with Areas of Practice

Demographics – U.S. Census

Ecology/Water – Wildlife habitat (T&E), stormwater runoff/water quality relationship, water quality & quantity issues, surface & groundwater, functions of wetlands, air quality/public health relationship

e.g., political context, demographics, social trends, ecology, water, health, climate

The 65 years and over population grew at a faster rate than the total population.
The Older Population 2010 Census Brief
Fundamental Planning Knowledge

Core values of planning

e.g., equity and social justice, public interest, sustainability, healthy & prosperous communities, diversity, democratic engagement, transparency

These core values are reflected in the Code of Ethics, Policy Guides, Planning Advisory Service reports, Planning magazine, and APA award-winning projects
Fundamental Planning Knowledge

Other facts to know...

- Erie Canal was completed in 1825
- Union Pacific and Central Pacific joined at Promontory Point, Utah to form the transcontinental railroad in 1869
- 1st US city with a subway was Boston in 1897
- The 1901 Plan for Washington D.C. was part of the City Beautiful Movement
- 1st historic preservation commission was formed in Vieux Carre, New Orleans, LA in 1921
- 1st off-street parking regulations in Columbus, OH in 1923
- 1st historic preservation ordinance enacted in Charleston, SC in 1931
- 1st urban growth boundary established in the US in Lexington, KY in 1958
- 1st state to institute statewide zoning was Hawaii in 1961
- ACIP and ASPO joined to form the APA in 1978
- Largest concrete structure in the US is Grand Coulee Dam (completed 1941)
- Zip Code stands for Zone Improvement Plan Code

- **43,560 square feet in 1 acre**
- **5,280 linear feet in 1 mile**
- **2.47 acres in 1 hectare**
- **640 acres in 1 square mile**
- **USGS map scale**

Check the Timeline (or Pathways) of American Planning History for more items like this
Fundamental Planning Knowledge

Technology and related applications

This topic used to fall under the “Technology, Leadership, and Management Section of the content outline prior to 2022
e.g., using technology and related information tools to advance planning, smart cities technology planning

- Public officials are using technology to engage a host of new constituencies—from apps that encourage the reporting of potholes and abandoned vehicles to systems that enable citizens to participate in planning debates electronically and from afar

- Smart cities technologies: e.g. smart devices, systems, and operating software that collect and analyze data for functions such as monitoring highway conditions to improve traffic flow
Sample Question

Which of the following pieces of federal legislation focused on slum clearance?

A. 1906 Antiquities Act
B. 1934 Federal Housing Act
C. 1949 Housing Act
D. 1968 New Communities Act

Answer: C. Know this level of detail on key federal legislation.
This Supreme Court decision removed the "substantially advances" test for takings cases:

A. Village of Euclid v. Ambler Realty Co. (1926)
B. Agins v. City of Tiburon (1980)
C. Lucas v. South Carolina Coastal Council (1992)
D. Lingle v. Chevron USA (2005)

Answer: D. Agins v. Tiburon had created the “substantially advances” test, but Lingle v. Chevron removed it. Remember the key take-aways from case law.
Sample Question

Which of the following court case(s) is/are concerned with takings:

I. Renton v. Playtime Theatres Inc.
II. Pennsylvania Coal Co. v. Mahon
III. Metromedia, Inc. v. City of San Diego
IV. Agins v. City of Tiburon

A. I only
B. II only
C. I and III
D. II and IV

Answer: D. Court case questions can be important to mark, or make notes from, since they can overlap somewhat.
The landmark case Agins v. City of Tiburon (1980) established a test: a regulation is a taking if it can be shown that it:

I. Prompts a property owner to file a lawsuit.
II. Deprives property of all economically viable use.
III. Creates a nuisance on the affected property.
IV. Fails to advance a legitimate governmental interest.

A. I and II
B. II and IV
C. II and III
D. III and IV

Answer: B. Another example of a question focused on the details of the ruling.
10 minute break

The Four Agreements

1. Be Impeccable with Your Word
   a. Speak with integrity.
   b. Say only what you mean.
   c. Avoid using the Word to speak against yourself or to gossip about others.
   d. Use the power of your Word in the direction of truth and love.

2. Don’t Take Anything Personally
   a. Nothing others do is because of you.
   b. What others say and do is a projection of their own reality, their own dream.
   c. When you are immune to the options and actions of others, you won’t be the victim of needless suffering.

3. Don’t Make Assumptions
   a. Find the courage to ask questions and to express what you really want.
   b. Communicate with others as clearly as you can to avoid misunderstandings, sadness and drama.
   c. With just this one agreement, you can completely transform your life.

4. Always Do Your Best
   a. Your best is going to change from moment to moment; it will be different when you are healthy as opposed to sick.
   b. Under any circumstance, simply do your best, and you will avoid self-judgment, self-abuse, and regret.
Leadership - 5%
Administration & Management - 6%
Communication and Interaction - 13%

- Leadership
- Managing external relationships
- Internal organizational management
- Social Justice
- Communication

PAS Report: Local Planning Agency Management
Managing external relationships

- Providing excellent customer service is one of the most important functions of a taxpayer-funded public agency.

- Managing relationships is important for planners who are working with communities, clients, and customers.

- Transparency: Know what FOIA is.
Leadership, Administration & Management

Internal organizational management

e.g., team building and staff training planning-office culture, strategic planning, organizational budgeting and financial management

- Team building enhances interpersonal relations of staff so that they better work together

- Team training is designed to improve efficiency and build skills

- Strategic planning – organizational management activity used to set priorities, focus resources, and work toward common goals
Leadership, Administration & Management
Project or program management
e.g., RFPs, RFQs, grants, preparing budgets, managing contracts, scheduling, allocating staff

Budgets

❖ Types of Budgets
  ▪ Line Item Budgets
  ▪ Performance Budgets

❖ Budgeting Process
  ▪ Financial Analysis and Policy Choices
  ▪ Expenditure Estimates
  ▪ Review of Expenditure Estimates
  ▪ Revenue Estimates
  ▪ Budgeting Forecasting
  ▪ Budget Document
  ▪ Budget Review and Adoption
  ▪ Budget Execution

Budgets turn plans into reality – planners need to be familiar with how they work

RFP: Request for proposals
RFQ: Request for qualifications
<table>
<thead>
<tr>
<th>Domain</th>
<th>Knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration and Management</td>
<td>Mentoring and motivating staff to develop their skills optimally, and to ensure timeliness, accuracy, and clarity of work produced</td>
</tr>
<tr>
<td>Administration and Management</td>
<td>Results oriented management and accountability (e.g., creating benchmarks, measures, continuity, testing for statistically significant variations, quality control and quality assurance)</td>
</tr>
<tr>
<td>Leadership</td>
<td>Ethical aspects of advocacy</td>
</tr>
<tr>
<td>Leadership</td>
<td>Best practices and their potential applications</td>
</tr>
<tr>
<td>Leadership</td>
<td>Accountability to the profession, ethical principles and the public interest</td>
</tr>
<tr>
<td>Leadership</td>
<td>Institutional structures, including accountability, transparency expectations, and roles and responsibilities</td>
</tr>
<tr>
<td>Leadership</td>
<td>A planner’s comprehensive approach to complex problem solving and decision-making (e.g., interrelatedness and inter-dependence, ability to help a community prioritize)</td>
</tr>
<tr>
<td>Leadership</td>
<td>The ethics of equity, diversity, and inclusivity in practice (e.g., asking for feedback, setting clear expectations and good communication, and consideration of people and ideas representing diverse life experiences)</td>
</tr>
<tr>
<td>Leadership</td>
<td>Coaching and mentoring (e.g., serving as a mentor in the workplace or professional organization; be a positive role model)</td>
</tr>
<tr>
<td>Leadership</td>
<td>Discerning and promoting the public interest related to a proposed action</td>
</tr>
<tr>
<td>Leadership</td>
<td>Professional development expectations and standards and sharing opportunities</td>
</tr>
<tr>
<td>Leadership</td>
<td>Discerning and promoting the value of planning to others, including students, coworkers, decision makers, and the public</td>
</tr>
<tr>
<td>Leadership</td>
<td>Opportunities to promote and volunteer in professional planning organizations and planning related services in the community</td>
</tr>
</tbody>
</table>
Leadership

❖ **Thinking big**: Create, impart, and execute big ideas

❖ **Exercising leadership**: Lead the community in addressing emerging issues and trends

❖ **Changing culture**: Foster an innovative, collaborative, and entrepreneurial culture

❖ **Implementing big ideas**: Focus on implementation and outcomes

❖ **Advancing equity**: Be the voice for equity and fairness

e.g., influencing decision making in the public interest, strategic decision making
Communication and Interaction

Social justice

- Public involvement planning
- Public participation techniques
- Identifying, engaging, and serving underserved groups
- Social justice issues, literature, and practice
- Working with diverse communities
- Coalition building

Knowing the public process of planning is KEY to passing this exam

Understand techniques and how they function and when they are best used

Know names – Alinsky, Davidoff, Arnstein

Understand basic social justice issues and approaches to solving them

- e.g., planning for diverse or underserved communities, social empowerment
Communication and Interaction
Social justice
Why does it matter?
❖ Create lasting solutions through an efficient process
❖ The AICP Code of Ethics requires it
❖ The melting pot versus the salad bowl

VS
Communication and Interaction

Social justice

Names to Know

❖ Saul Alinsky: community organizing
  ▪ Back of the Yards neighborhood (1930s)
  ▪ *Rules for Radicals* (1971)

❖ 1964 Economic Opportunity Act
  ▪ Part of Johnson’s War on Poverty/Great Society
  ▪ Head Start remains

❖ Paul Davidoff: advocacy planning (50s–80s)
Communication and Interaction

Social justice

Names to Know

❖ Sherry Arnstein: A Ladder of Citizen Participation (1969)
Communication and Interaction
Social justice

- ID who needs to be involved
- ID the decision maker
- ID decision to be made
- ID stages
- ID the most appropriate techniques/combination
- Set schedule
Communication and Interaction
Social justice

Underserved Groups:

Appropriate Outreach Methods
Social Justice Issues/Approaches

❖ Location of infrastructure
❖ Access to jobs
❖ Access to education
❖ Access to housing

❖ EISs/EAs – environmental justice
❖ Reverse commuting
❖ Brownfield and infill development
Communication and Interaction

Communication

e.g., clear and understandable visual, written, and spoken concepts; building relationships; conducting meetings; media relations

- Planners Communication Guide 2.0
  www.planning.org/communicationsguide/
  - Message/support
  - Media
  - Social Media
  - Allies & partners (ID/engage/communicate...early and throughout)
  - Contentious issues

- Meetings – deliberate process & structure
### Communication and Interaction

#### New Topic Areas for May 2022 Exam

<table>
<thead>
<tr>
<th>Domain</th>
<th>Knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication and Interaction</td>
<td>Strategies and techniques to provide non-discriminatory electronic media free of obstacles and/or barriers to accessibility. (e.g., provide equal access and opportunity for users with a disability through the use of assistive technology or keyboard-only access)</td>
</tr>
<tr>
<td>Communication and Interaction</td>
<td>Listening, comprehension, and reflection of needs and ideas (e.g., accurate compilation and integration into the planning process)</td>
</tr>
<tr>
<td>Communication and Interaction</td>
<td>Culturally appropriate and respectful communication sensitive to cultural history and social movements</td>
</tr>
<tr>
<td>Communication and Interaction</td>
<td>The processes and techniques involved in working towards consensus for decision making</td>
</tr>
<tr>
<td>Communication and Interaction</td>
<td>Understanding the role of organizational structures and functions (e.g., government agencies, non-profit entities, and for-profit businesses)</td>
</tr>
<tr>
<td>Communication and Interaction</td>
<td>Evaluation of how well the planned outreach strategy actually engaged targeted communities/populations (e.g., recognizing implicit bias, achieving optimal benefits)</td>
</tr>
<tr>
<td>Communication and Interaction</td>
<td>Evidence-based argument formulation and articulation (e.g., use of research skills, use of factual data, identify and examine evidence, and critical thinking &amp; reasoning to support a plan, program, policy or action)</td>
</tr>
<tr>
<td>Communication and Interaction</td>
<td>Sensitive or complex political situation management (e.g., practical understanding of the role of a planner and the role of elected officials, relationship building, role of the media including social media)</td>
</tr>
</tbody>
</table>
AICP Code of Ethics & Professional Conduct - 10%

❖ Most recent version 4/1/16
  ❖ All ethics questions on May 2022 exam are based on the Code of Ethics valid through December 2021.

❖ Available on the APA website

❖ 5 sections to the Code:
  ▪ A. Principles to Which We Aspire
  ▪ B. Our Rules of Conduct
  ▪ C. Advisory Opinions
  ▪ D. Adjudication of Complaints of Misconduct
  ▪ E. Discipline of Members
AICP Code of Ethics & Professional Conduct - 10%

❖ Five parts:

- A. Principles to Which We Aspire
- B. Our Rules of Conduct
- C. Advisory Opinions - How one may obtain either a formal or informal advisory ruling, as well as requirements for an annual report
- D. Adjudication of Complaints of Misconduct - How a complaint of misconduct can be filed, and how complaints are investigated and adjudicated
- E. Discipline of Members - Forms of disciplinary actions
AICP Code

Principles to Which We Aspire

❖ Our Overall Responsibility to the Public
  ▪ “primary obligation is to serve the public interest”
  ▪ public involvement, accurate information

❖ Our Responsibility to Our Clients and Employers
  ▪ “independent professional judgment”

❖ Our Responsibility to Our Profession and Colleagues
  ▪ education, research, professional development
If you are found guilty of violating a portion of this section of the code you can NOT be removed from AICP or sanctioned in any manner.
AICP Code

Principles to Which We Aspire

“We need to draw the line on unethical behavior. But let’s draw it with an Etch-a-Sketch and don’t be afraid to shake it a little.”
AICP Code

Our Rules of Conduct

- 26 rules
- General Topics:
  - Conflict of interest (8 rules)
  - Accurate information (7 rules)
  - Code procedures (4 rules)
If you are found guilty of violating a section of this part of the code, you can be removed from AICP or sanctioned in another matter.
Our Rules of Conduct

What?!? 7 out of 10 Commandments isn’t passing?
Rule #1
We shall not deliberately or with reckless indifference fail to provide adequate, timely, clear and accurate information on planning issues.
Rule #4

We shall not, as salaried employees, undertake other employment in planning or a related profession, whether or not for pay, without having made full written disclosure to the employer who furnishes our salary and having received subsequent written permission to undertake additional employment, unless our employer has a written policy which expressly dispenses with a need to obtain such consent.
Rules #5 and #6

❖ We shall not, as public officials or employees; accept from anyone other than our public employer any compensation, commission, rebate, or other advantage that may be perceived as related to our public office or employment.

❖ We shall not perform work on a project for a client or employer if, in addition to the agreed upon compensation from our client or employer, there is a possibility for direct personal or financial gain to us, our family members, or persons living in our household, unless our client or employer, after full written disclosure from us, consents in writing to the arrangement.
Rules #8 and #9

❖ We shall not, as public officials or employees, engage in private communications with planning process participants if the discussions relate to a matter over which we have authority to make a binding, final determination if such private communications are prohibited by law or by agency rules, procedures, or custom.

❖ We shall not engage in private discussions with decision makers in the planning process in any manner prohibited by law or by agency rules, procedures, or custom.
Rule #14

*We shall not use the power of any office to seek or obtain a special advantage that is not a matter of public knowledge or is not in the public interest.*
Rule #18

*We shall not direct or coerce other professionals to make analyses or reach findings not supported by available evidence.*
Rules #24 and #21

❖ We shall not file a *frivolous charge* of ethical misconduct against another planner.

❖ We shall not *withhold cooperation or information* from the AICP Ethics Officer or the AICP Ethics Committee if a charge of ethical misconduct has been filed against us.
Rule #25

We shall neither deliberately, nor with reckless influence, commit any wrongful act, whether or not specified in the Rules of Conduct, that reflects adversely on our professional fitness.
Rule #26
We shall not fail to immediately notify the Ethics Officer by both receipted Certified and Regular First Class Mail if we are convicted of a "serious crime" as defined in Section D of the Code; nor immediately following such conviction shall we represent ourselves as Certified Planners or Members of AICP until our membership is reinstated by the AICP Ethics Committee pursuant to the procedures in Section D of the Code.
C: Advisory Opinions

- Informal Advice – anyone can request from the Ethics Officer, not binding
- Formal Advisory Opinion – members only can request, to the Ethics Committee, written, binding, may be published
- Annual Report – Ethics Officer to the AICP Commission (to include all Formal Advisory Opinions and interpretations of the Code), AICP Commission to the membership (contents not specified)
Code Procedures

D: Adjudication of Complaints of Misconduct
- Filing
- Review
- Determination
  - Appeal by complainant if dismissed
- Fact Finding
- Decision/Dismissal
- Potential Outcomes: 1) confidential letter of admonition, 2) public reprimand, 3) suspension of AICP membership, or 4) expulsion from AICP
- Appeals – to the Ethics Committee

This level with the Ethics Officer

Can negotiate a settlement
Code Procedures

❖ **E: Discipline of Members**
  - Discipline for Code violations plus: serious crimes, crimes, loss/restrictions of other licenses/certifications, failure to notify AICP
  - Same potential outcomes, potentially with conditions
  - Serious crime/crime— fraud, failure to pay taxes
  - “other conduct inconsistent”
  - Reinstatement process
  - May publish information
Sample Question

An AICP member charged with misconduct under the AICP Code of Ethics and Professional Conduct can appeal the initial determination to which entity?

A. AICP Commission
B. Executive Committee of AICP
C. Executive Director of AICP
D. AICP Ethics Committee

Answer: D.
AICP Code
Just FYI ... How much is the Code Used? 2021 Activity

❖ Ethics Cases - 28 Total
  ▪ 26 Cases Resolved (17 dismissed, 9 settled)
  ▪ 2 Cases Pending

❖ Requests for Informal Advice: 154
Another FYI … Case Activity Trends

- Ethics Cases
  - 2005: 7
  - 2006: 9
  - 2007: 12
  - 2008: 15
  - 2009: 11
  - 2010: 4
  - 2011: 4
  - 2012: 2
  - 2013: 6
  - 2014: 13
  - 2015: 12
  - 2016: 12
  - 2017: 19
  - 2018: 15
  - 2019: 18
  - 2020: 21
  - 2021: 28

- Requests for Informal Advice ranging between 15 – 40 annually in recent years
AICP Code of Ethics

❖ Learn the differences between principles that we aspire to and rules of conduct we are required to meet

❖ Learn how advice can be sought

❖ Learn how charges are filed and defended

❖ Learn who the players are – Ethics Officer and Ethics Committee
Resources for Scenarios

- The Ethical Planning Practitioner, 2016 – Jerry Weitz
- PA Chapter AICP Exam page
- Toolkit for Conducting Ethics Session
- Ethics Case of the Year
- Planning Ethics in Action Blog
Scenario 13: Potential Conflict With Public and Nonprofit Roles

You are the planning director for a local government and have been asked to join the board of directors of a nonprofit organization that seeks to create more affordable housing in the region. If you serve in a leadership role for the nonprofit organization, might those responsibilities cause an ethical conflict with your responsibilities as planning director?

• Relevant portions of the Code:
  ○ Aspirational Principles: 1.f, 2, 2.c, 3, 3.b, 3.j
  ○ Rules of Conduct: 4, 7

The Ethical Planning Practitioner by Jerry Weitz, FAICP
LUNCH BREAK!!
Plan and Policy Development - 15%

- Preparing to Plan
- Formulating and drafting policies (e.g., policy analysis, equity, economic and environmental implications)
- Familiarity with State and Federal Laws (statutory basis of planning)
- Vision, goal, objective, policy, and priority statement creation and their interrelationships

*Knowing appropriate planning process is KEY to passing this exam*
Plan and Policy Development - Preparing to plan

Goal Setting

❖ Statement of where the community desires to go

❖ A key element of any comprehensive plan

❖ See Kelo or Agins for the importance of goals and/or a comprehensive plan

e.g., visioning, goal setting, identifying key issues, forecasting, legal context
Goal Setting

- GOAL: value-based statement, not necessary measurable; should include purpose, scope and context
- OBJECTIVE: more specific, measurable statement of a desired end; should include location, character, and timing
- POLICY: rule or course of action that indicates how the goals and/or objectives of the plan should be realized; should include principles, agreements, laws, regulations, and resolutions
- PROGRAM: series of related, mission-orientated activities aimed at carrying out a particular goal or policy; should include initiatives, projects, milestones, costs and responsibilities
Plan and Policy Development

Formulating plans and policies

e.g., creating and evaluating alternatives, full range of impacts, plan presentation, policy analysis, building constituency, visualization techniques

❖ The basic steps of plan making and implementation:
  ▪ Identification of stakeholders
  ▪ Defining and identifying problems
  ▪ Gathering information and analysis
  ▪ Developing alternatives/evaluating impacts
  ▪ Selecting an alternative
  ▪ Budget and implementation
  ▪ Evaluation and amendment
  ▪ Achievement

Consider this process in the different areas of practice and in the context of public participation and social justice
Plan and Policy Development

Statutory basis of planning

❖ Planning at the national level
  ▪ Housing
    ▪ HUD, EDA, CDBG
    ▪ National Housing Acts (1934-1954)
    ▪ Fair Housing Act (1968)
  ▪ Transportation
    ▪ FHWA, FTA, FRA, FAA, ACOE
    ▪ National Highway System
    ▪ TEA Acts and MAP-21
  ▪ Environmental
    ▪ EPA
    ▪ NEPA (1969)
    ▪ Clean Air Act (1970)
    ▪ Clean Water Act (1972)

❖ Others
  ▪ Historic Preservation
  ▪ Emergency Management
  ▪ Flood Protection
  ▪ Social Justice (e.g. ADA)
  ▪ Telecommunications
  ▪ Religion (RLUIPA)
  ▪ Census & other data gathering
  ▪ Recreation & Parks
  ▪ National Defense & Security
  ▪ Immigration
  ▪ Education
  ▪ Tribal Affairs
  ▪ Oil & Mineral Leasing
  ▪ Energy

e.g., relationship to national and state government, governance structure
Plan and Policy Development

Statutory basis of planning

❖ Planning for State

▪ Dillon’s Rule vs. Home Rule
  ▪ 39 states use Dillon’s Rule in whole or in part
  ▪ Dillon’s Rule (Iowa judge, 1868 ruling) narrowly defines the power of local governments. The first part of Dillon's Rule states that local governments have only three types of powers:
    ▪ those granted in express words,
    ▪ those necessarily or fairly implied in or incident to the powers expressly granted, and
    ▪ those essential to the declared objects and purposes of the corporation, not simply convenient, but indispensable.
  ▪ The second part of Dillon's Rule states that if there is any reasonable doubt whether a power has been conferred on a local government, then the power has NOT been conferred.
  ▪ Home Rule: Local governments have all functions not prohibited/preempted by State or Federal law
Plan and Policy Development

New Topic Areas for May 2022 Exam

<table>
<thead>
<tr>
<th>Domain</th>
<th>Knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan and Policy Development</td>
<td>Planning as characterized by sequential steps and multi-variate analyses</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Objectives and actions to address identified needs and priorities within an equity framework</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Stakeholder and community inclusion in scoping a plan, policy, and project</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Mediation, negotiation, facilitation, or arbitration in order to address conflicting interests and demands (e.g., special interests vs established policy)</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Applying innovations and best practices appropriate to place and context</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Identifying and evaluating consequences (e.g., physical, social, natural, environment, economic, fiscal, resilience, concurrency, public facilities)</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Funding and financing considerations, demands, and strategies (e.g., grant resources, budgeting, return on investment, municipal and real estate financing sources)</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Community character and form (e.g., context sensitive design, historic, urban design, evolution and dynamics, form-based codes, multicultural sensitivity, equity)</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Identifying, quantifying, and addressing incidence and burden, past and future, that results from systems that foster and perpetuate inequities and discrimination</td>
</tr>
<tr>
<td>Plan and Policy Development</td>
<td>Conversance with related disciplines (e.g., terminology, practices, and principles in engineering, environmental science, architecture, etc)</td>
</tr>
</tbody>
</table>
Plan Implementation - 12%

- Develop and interpret rules, regulations, policies, and programs (e.g., codes and regulations, budgeting and finance, decision making, capital improvement)
- Proposal or project assessment for consistency with adopted programs and plans, laws, regulation, and policy
Plan Implementation

Plan implementation

* e.g., codes and regulations, budgeting and finance, demonstration projects, decision making

Budgets & Financing - Public Financing Tools

- Current revenues – cash
- Revenue funds/Fees
- State and Federal grants
- Revenue bonds
- General obligation bonds
- Special Taxing Authorities
- Special assessments
- User fees
- Tax Increment Financing
Plan Implementation

Plan implementation

Budgets & Financing - Capital Improvements

❖ Types of Projects

▪ Streets
▪ Water
▪ Sewer
▪ Parks
▪ Public facilities
▪ Drainage

2007 Capital Budget

2007 Capital = $2,940,144
Plan Implementation
Project or program management

Budgeting

Allocation of Tax Dollars

Differs by state!
Plan Implementation

Monitoring and assessment

- e.g., measures of performance, outcome indicators

❖ Measures or outcomes need to be established in order to assess performance
❖ These will vary by the type of plan or program being assessed
❖ Assessment on a regular basis, and assessing the proper measure, are equally important
### Plan Implementation

#### New Topic Areas for May 2022 Exam

<table>
<thead>
<tr>
<th>Domain</th>
<th>Knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan Implementation</td>
<td>Aligning and activating funding and financing options (e.g., grants, state, federal)</td>
</tr>
<tr>
<td>Plan Implementation</td>
<td>Developing strategic partnerships to facilitate plan implementation (e.g., support, mitigate opposition)</td>
</tr>
<tr>
<td>Plan Implementation</td>
<td>Identifying and mitigating challenges and obstacles for plan implementation (e.g., strive towards a win-win outcome)</td>
</tr>
<tr>
<td>Plan Implementation</td>
<td>Drafting action steps and assigning responsibility including managing, facilitating, and/or coordinating the implementation of programs or projects according to a schedule</td>
</tr>
<tr>
<td>Plan Implementation</td>
<td>Monitoring, evaluating, and updating adopted plans and policies in order to achieve the greatest benefits with no or minimal adverse impact (e.g., cost/benefit, qualitative and quantitative measures and criteria, transparency)</td>
</tr>
<tr>
<td>Plan Implementation</td>
<td>Integrating multiple projects to achieve efficiency, effectiveness, and synergy (e.g., identifying a mix of projects based on geographic area, constituency, infrastructure, etc.)</td>
</tr>
</tbody>
</table>
Research and Assessment Methods - 11%

- Conducting research and acquiring knowledge (e.g., qualitative and quantitative research, experiential, oral histories, research methods, precedents and examples, best practices, analysis and reporting, surveying, sources of data, metadata, recognizing implicit bias)
- Spatial analysis (e.g., GIS, mapping, interpretation, 3D visualization, modeling)
- Community involvement and engagement to develop a sound understanding of a community
Research and Assessment Methods

Organizing, Analyzing, & Reporting Data

e.g., qualitative, and quantitative research, research methods, precedents and examples, best practices, analysis and reporting, surveying

Conducting research & acquiring knowledge

Know terms such as Flow Chart, Gant Chart, Bubble Chart, Flow Chart, matrix, etc
Demographics

- 3 major components of demographic analysis:
  - Fertility
  - Mortality
  - Migration
Types of Descriptive Statistics

- Percentiles and Quartiles
- Measures of Central Tendency
  - Mean
  - Mode
  - Median
- Measures of Dispersion of Variability
  - Range
  - Standard Deviation
  - Variance
- Measures of distribution shape
  - Skewness
  - Kurtosis (thickness of the tails)
Three basic types of demographic analysis used by planners:

- Descriptive – tools, data, and methods to describe the population of an area
- Trends – look at how demographic data has changed over time
- Projections – estimates of future population and population structure

A comprehensive plan would be a document that would make use of each of these demographic analysis tools.
Targets: express desirable future populations based on policies and goals.

Estimates: measure of a present or past condition that cannot be measured directly because of a lack of resources (data, time, money).

Projections: conditional statement about the future, describing what the future is likely to be if a given set of assumptions proves to be true; typically based on statistical models that extrapolate past and present trends into the future. Projections can be created through very simple or very complex calculations, the type of calculation used is based on available data and desired use of the projection.

Forecasts: conditional statement about the future, describing what the future is likely to be; typically based on statistical models, but reflecting and incorporating the decisions and judgment of the analyst with respect to various factors.
Research and Assessment Methods
Organizing, Analyzing, & Reporting Data

- Ratio/Step-down Method: Less technically complicated, good for smaller area projections. The farther out the projection, the more the margin of error.

- Cohort Component (aka Cohort Survival): Technically complicated, lots of data, good for large area projections like states or large metropolitan areas.

- Extrapolation Methods: Good at the county level, bases growth on observed growth trends, watch out for mitigating factors.

- Symptomatic Methods: Regression analysis can be used for small areas.

- Housing Units Methods: Similar to extrapolation but good at a local level.

Cohort-Component most common

- Cohort = age group
- Component = the three components of demography (fertility, mortality, migration)
Population forecast pyramids show the underlying demographic structure.
Why do we care so much about demographics and the U.S. Census?

Estimates are used in Federal and State funding allocations....it’s all about the $$

Check the U.S. Census Bureau website for information on trends and notable data

#s = $$
Research and Assessment Methods

Spatial analysis

e.g., GIS, mapping, interpretation

- GIS (Geographic Information System): computer software used to display multiple layers of information about a geographic location. Lines, points and areas are used to display layers. Provides an efficient means for us to organize information about a region and provides a method to visually display that information.

- MIS (Management Information Systems): computer system for the management of people, projects, and information. Support business processes and operations, decision-making, and competitive strategies.
Research and Assessment Methods

Public engagement

e.g., participation methods, social media, strategies and tools, advocacy, outreach

❖ Public hearing: technical presentation, group Q&A, transcript

❖ Public meeting: not as formal as the public hearing

❖ Open house: information displays, individual Q&A

❖ Education: information display, presentation, fact sheets
Research and Assessment Methods
Public engagement
Tools/Techniques...

❖ Interviews (detail at a cost)

❖ Surveys (efficient, but low response rate)

❖ Computer simulations

❖ Web-based

❖ Social media
Research and Assessment Methods
Public engagement

Websites can be useful...if current...if accessible

Other forms of social media for outreach...
Small groups

- **Charrettes**: short, intense collaborative process that is usually used to design projects, plan communities, and/or build consensus; can vary in makeup (professionals/citizens) depending on the goal
- **Nominal Group Technique**: variation on brainstorming; question is asked to a group and each individual answers, all answers are recorded and prioritized by the group as a whole
- **Focus Groups**
- **Stakeholder Groups**
- **Task Force**
- **Steering Committee**
Delphi Method...another small group

- Used to develop a consensus between two or more groups that are in conflict; the views of each group are presented in successive rounds of argument and counterargument, with the rounds gradually working towards a consensus.
- Recognizes the value of expert opinion, experience and intuition and allows using the limited information available in these forms, when full scientific knowledge is lacking.
- Uses a panel of carefully selected experts who answer a series of questionnaires.
- Experts are encouraged to revise their earlier answers in light of the replies of other members of the group.
- It is believed that during this process the range of the answers will decrease and the group will converge towards the "correct" answer.
- The following key characteristics of the Delphi method help participants focus on the issues at hand and separate Delphi from other methodologies:
  - Structuring of information flow
  - Regular feedback
  - Anonymity of the participants
Research and Assessment Methods
Public engagement
Techniques

❖ 3 Cs
▪ Coalition building
▪ Consensus building
▪ Conflict resolution

A planner’s primary responsibility is to the public
Know background information
Identify leadership in the community
Reach beyond the leadership
Sample Question

You are an urban planner for a city, working on a revitalization plan for a commercial area that is a distinct entry point for the city, as well as an important provider of commercial services to the adjacent residential neighborhoods. The area has two anchor stores that are still vibrant, along with a few new businesses and several vacant or underutilized properties. For this project, the least appropriate method of public outreach and engagement would be:

A. Delphi Method  
B. Design Charette  
C. Taskforce Meetings  
D. Targeted Interviews

Answer: A.
Sample Question

Advocacy planning is associated closely with Paul Davidoff and Saul Alinsky. Which of the following was the significant effect of the advocacy movement?

A. Assisted single women with children find employment.
B. Caused social planning to move from back room negotiations into the public forum.
C. Reduced the need for more environmental documentation.
D. Created economic stability.

Answer: B. Questions related to people will not necessarily ask what they wrote or what year it was – they can ask how those people impacted planning.
# Research and Assessment Methods

## New Topic Areas for May 2022 Exam

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<tr>
<td>Research and Assessment Methods</td>
<td>Data and source interpretation and evaluation (e.g., relevance, validity, reliability, data quality, implicit bias)</td>
</tr>
<tr>
<td>Research and Assessment Methods</td>
<td>Data collection strategies appropriate to identify planning issues (e.g., passive, active, community involvement) while acknowledging privacy and confidentiality concerns</td>
</tr>
</tbody>
</table>
Areas of Practice - 12%

- Comprehensive and Sectoral Planning
- Communities, Subareas, Corridors, and Neighborhoods
- Rural Areas and Small Towns
- Sustainability and Growth Management
- Housing
- Land Use and Development Regulation
- Hazard Mitigation and Resiliency
- Environment and Natural Resources
- Historic and Cultural Resources
- Institutions
- Energy
- Infrastructure
- Transportation
- Economic Development
- Urban Design
- Parks, Recreation, and Open Space
- Health and Active Living
- Food Systems

Two new knowledge areas for 2022 exam:

Equity and advocacy planning (e.g., as applicable to place making, mobility, housing, economic opportunity, access to facilities and services, repairing legacies of harm)

Regional and multijurisdictional planning (e.g., watershed, transportation systems, regional infrastructure, jurisdictional conflicts and collaboration, border issues, housing and resiliency considerations)
Areas of Practice

Comprehensive and Sectoral Planning

❖ Comprehensive Plan

• The official statement of a legislative body that sets forth its major policies concerning desirable future physical development
• Adopted by the governing body
• Key elements
  ▪ Demographics
  ▪ Land use
  ▪ Transportation
  ▪ Community facilities
  ▪ Infrastructure
  ▪ A vision for the future and the actions to achieve it
Areas of Practice

Comprehensive and Sectoral Planning

- **Multi-State Regions**
  
  - **Tennessee Valley Authority, 1933**
    - Convert two munitions factories and one hydroelectric plant into a regional power authority and a factory producing fertilizer.
    - First example of multi-state planning for power and flood control.

  - **Hoover (Boulder) Dam, 1936**
    - Apportioned the waters of the Colorado River among AZ, CA, CO, NV, NM, UT, WY.
    - Significant environmental impacts
Areas of Practice

Comprehensive and Sectoral Planning

- **Multi-State Regions**
  - Chesapeake Bay Agreement, 1983
    - Address and plan for pollution affecting the Chesapeake Bay watershed.
  - Port Authority of NY and NJ, 1921
    - Created to run most regional transportation infrastructure (bridges, tunnels, airports, seaports) within NY-NJ Port District along Hudson and East Rivers
    - In charge World Trade Center plaza rebuilding
  - Appalachian Regional Commission, 1963
    - Federal, state and local government partnership initially formed in 1963 to create economic development in Appalachia
    - 420 counties, 13 states, 8 independent cities
Areas of Practice

Comprehensive and Sectoral Planning

❖ Statewide
  • State-National Overlaps
    ▪ Transportation planning
    ▪ Environmental protection
    ▪ Housing & Economic Development
    ▪ Emergency Management

  • Unique State Planning Roles
    ▪ Growth Management
    ▪ Statewide Planning and/or Smart Growth laws: FL, HI, MD, TN
    ▪ Health regulations
    ▪ Coastal zone management – 34 States
Areas of Practice

Comprehensive and Sectoral Planning

❖ Sub-State Regions

- Parks, environmental, transportation
- Examples of area-based planning for sub-state regions:
  - Outer Banks
  - Olmsted Parkway in Louisville KY
  - NJ Pinelands
- Issue-based planning for sub-state regions:
  - Climate change (ex. SE FL Regional Trans. Plan)
  - Tourism (ex. Finger Lakes region)
  - Economic development (ex. Silicon Valley)
Areas of Practice

Comprehensive and Sectoral Planning

- Regional Planning
  - Metropolitan Planning Organizations (MPOs)
    - Deal largely with transportation
    - Role expanding with recent legislation
    - Also Rural Planning Organizations
  - Councils of Government
    - Voluntary association of local governments
    - Established by contract
  - Special Districts
    - Florida water management districts
    - Denver Transit District
    - Local Development Districts
Areas of Practice
Communities, Subareas, Corridors & Neighborhoods

❖ Counties (a.k.a. Parish (LA) and Borough (AK))

- Planning focus:
  - Growth management
  - Development Regulation
  - Emergency management
  - Parks and recreation
  - Environmental protection
  - Public health

- Most states, counties have full jurisdiction over anything not within the boundaries of an incorporated city or its associated ETJ
Areas of Practice
Communities, Subareas, Corridors & Neighborhoods

❖ Urban Areas
  • Planning focus:
    ▪ Infill
    ▪ Redevelopment
    ▪ Traffic management
    ▪ Urban heat islands
    ▪ Food access

  • Challenges:
    ▪ Blight
    ▪ Crime
    ▪ Aging infrastructure
    ▪ Income disparities
    ▪ Demographic change

  • Opportunities:
    ▪ Redevelopment
    ▪ Urbanism/urban design
Suburban Areas (old and new)

• History
  ▪ Post WWII, automobile

• Issues:
  ▪ Sprawl/connectivity
  ▪ Lack of community patterns
  ▪ Infrastructure
  ▪ Access to jobs/services
  ▪ Aging population/aging in place

• Opportunities:
  ▪ Transit Oriented Design
  ▪ Traditional Neighborhood Development
Areas of Practice
Communities, Subareas, Corridors & Neighborhoods

❖ Corridors
  • Types:
    ▪ Transportation
    ▪ Greenway
  • Considerations:
    ▪ Connectivity
    ▪ Transportation management
    ▪ Consistency in design
    ▪ Compatible land uses
Areas of Practice
Communities, Subareas, Corridors & Neighborhoods

 Neighborhoods

- Neighborhood unit concept – Clarence Perry
- Defined by history, geography, culture...
- Access to services
- Walkability and visitibility
- 1996 Symposium on Neighborhood Collaborative Planning
  (from the APA Policy Guides)
Areas of Practice
Communities, Subareas, Corridors & Neighborhoods

❖ Waterfronts
  - Diverse mix of uses
  - Considerations:
    ▪ Public access
    ▪ Tourism
    ▪ Commercial ports and shipping
    ▪ Environmental quality
    ▪ Hazard mitigation

❖ Planning for Downtowns
  - Business improvement district (BID/TIF)
  - Traffic circulation
  - Mixed use – Density Issues
  - Wayfinding signage
  - Greening the urban area
  - Events / Tourism
Areas of Practice
Rural Areas and Small Towns

❖ Challenges
• Maintaining small town character
• Access to infrastructure and social services
• Economic opportunities/limited tax base
• Loss of farmland
• Development at a proper scale

❖ Tools
• Agricultural Preservation
• Urban growth boundaries
• Transfer of Development Rights
• Intergovernmental Cooperative Agreements
• Eco-Tourism and Heritage Tourism
Areas of Practice - Current Planning

Growth Management

- Methodologies and Techniques
  - Comprehensive Planning & Regulations
  - Urban Growth Boundary
  - Infrastructure Planning & Funding
  - Environmental Regulations

- Annexation
  - Allows for natural municipal growth
  - Can be cooperative or hostile

- Extraterritorial Jurisdiction (ETJ)
  - Buffer around a city for orderly planning
  - City development regulations apply
Areas of Practice

**Sustainability planning**

e.g., sustainable processes, practices and outcomes, including environmental planning, economic planning, and equity planning

- Sustain communities as good places to live
- Sustain the values of our society (e.g. liberty and democracy)
- Sustain biodiversity of natural environment
- Sustain the ability of natural systems to provide life supporting services

Things contributing to unsustainability:
- Overconsumption
- Population growth
- Dependence on non-renewable resources
- Pollution
- Environmentally and socially destructive development patterns
- Inequities in resource distribution
- Limited public participation

APA Policy Guide on Planning for Sustainability
Areas of Practice

Housing

- New York City
  - Tenement Housing Law, 1867
  - Tenement Housing Law, 1901

- Federal Involvements.
  - Housing Acts of 1934 and 1937
  - Housing Acts of 1949 and 1954
  - Housing & Urban Development Act, 1965
  - Housing & Community Development Act, 1974

- State and Local Government Roles
  - Statewide Building Codes and Consumer Protection Agencies
  - State Housing Finance Agencies
  - Local Housing Authorities
  - Local Regulatory Environment
Areas of Practice

Housing

❖ Socioeconomic Issues Impacting Housing
  • Homelessness
  • Missing Middle
  • Affordability
  • Short Term Rentals
  • Rural Slum Phenomenon
  • Changing Demographics

❖ Housing Design Innovations Impacting Communities
  • Senior Communities
  • Accessory Dwelling Units
  • Co-Housing
  • Universal Design / Lifecycle Housing
  • Micro-houses
  • Manufactured Housing
  • Mixed Use Development
Areas of Practice

Housing

❖ Standards of Housing Adequacy
  • Cost
  • Condition
  • Crowding
  • Design
  • Choice
  • Community
  • Environment
  • Control

❖ Housing Market Analysis
  • Projects need for housing in a future year
  • Change in number, type, and composition of households
  • Change in number of vacant units
  • Change in the existing supply of housing

APA Policy Guides: Housing, Factory Built Housing, Community Residences, Homelessness, Public Redevelopment, Neighborhood and Collaborative Planning
There are 27 figures of speech in the photo. Who can guess one? I'll start with "cat's got his tongue".
Areas of Practice - Current Planning

Land Use and Development Regulations

- **Types of development**
  - Greenfield, Leapfrog
  - Redevelopment, Infill
  - Brownfield, Grayfield
  - Mixed Use Examples

- **Types of Ordinances**
  - Zoning
  - Subdivision
  - Site Plan Review
  - Building & Housing Codes
  - Historic Preservation
  - Water Management (Flood, Storm, Erosion, etc.)
  - Official Map
Areas of Practice - Current Planning

Land Use and Development Regulations

- **Types of Tools**
  - Ag Preservation Zoning
  - Density Bonuses
  - Conservation Subdivision
  - Developer Agreements
  - Landowner Covenants
  - Easements (access, preservation, equity)
  - Transfer of Development Rights (TDR)
  - Exactions: Improvement or dedication of land, Fees in lieu, Impact fees
  - Impact Analysis: Environmental, Historic, Transportation, Fiscal

APA Policy Guides: Impact Fees, Smart Growth, Agricultural Lands Preservation, Sustainability
Areas of Practice - Current Planning

Land Use and Development Regulations

- Plan and Project Review
  - Site specific
  - Existing conditions (natural and built)
  - Regulation at various levels of government
  - Local government planner is the technical resource

- Public Participation
  - Due process for all parties
  - All parties can be heard
  - Plans available for inspection
  - Appeal process for decisions
Areas of Practice

Hazard Mitigation, & Resiliency

*e.g.*, flooding, earthquake, wildfires, spills, brownfields, anti-terrorism, disaster preparedness planning

❖ Hazard Mitigation Planning

- **National level:**
  - FEMA
  - Disaster Mitigation Act of 2000
  - FIRM Analysis, Publication, and Distribution

- **State level:**
  - PEMA
  - State Hazard Mitigation Plan

- **Local level:**
  - County Hazard Mitigation Plans
  - Municipal mitigation projects
  - NFIP Participation

The language of disaster planning and response:

- National Incident Management System (NIMS)
- Incident Command System (ICS)
- National Response Framework (NRF)
- National Response Plan (NRP)
- Emergency Support Function (ESF)

APA Policy Guide: Hazard Mitigation
Areas of Practice

Environment & Natural Resources

- Water Quality
- Air Quality
- Climate Change
- Aquatic Planning
- Agriculture
- Forestry
- Extraction
- Habitat
- Shoreline Planning
- Coastal Zone Management

Link back to:
Case law (TVA v Hill, 1978; Rapanos v US, 2006 as examples)
People & books (Rachel Carson’s Silent Spring, Ian McHarg’s Design with Nature)
Areas of Practice
Environment & Natural Resources

❖ Federal Basis of Modern Environmental Protection
  • Federal Water Pollution Control Act, 1948
  • Clean Air Act, 1963
  • National Environmental Policy Act, 1970
  • Clean Water Act, 1972
  • Endangered Species Act, 1973
  • Resource Conservation & Recovery Act, 1973
  • Comprehensive Environmental Response, Compensation & Liability Act, 1980

❖ Environmental Protection Agency
  • Established by Executive Order (Nixon) December 2, 1970
  • Air Quality Programs (includes emissions standards)
  • Radiation Protection (Natural, Waste, and Protection Standards)
  • Water Quality Programs (NPDES, 404, Drinking Water Standards)
  • Land Waste and Cleanup
  • Chemical and Toxin Regulation and Control

Areas of Practice

Historic and Cultural Resources

❖ Federal
• National Historic Preservation Act (1966)
  o National Register of Historic Places
  o Section 106 process
• Tax Reform Act of 1986

❖ State
• State Historic Preservation Office (SHPO)

❖ Local
• First historic district – Charleston, SC (1931)
• New Orleans - Vieux Carré Commission in 1937 to maintain the French Quarter
• Local Regulation and HARB administration

❖ Practice Areas
• Preservation
• Arts Districts
• Library Centers
• Adaptive Reuse
• Demolition Delay

APA Policy Guide: Historic & Cultural Resources

Link back to:
Case law (Penn Central v New York, 1978 for example)
Areas of Practice
Institutions

❖ Types of Institutions
  • Schools (primary, secondary, and tertiary)
  • Correctional institutions
  • Military installations (including Base Realignment and Closure – BRAC)

❖ Institutional Impacts
  • Demographic and Socioeconomic Data
  • Labor Force and Skill Sets
  • Land Use and Nuisance Issues (i.e. Noise and Light)
  • Property Tax / PILOT

❖ Siting Considerations
  • Land Requirements
  • Proximity to the Population
  • Suitability of Transportation Systems
  • Good Neighbor
Areas of Practice

Energy

❖ Energy Policies (National, State, and Local)
  • Energy Dependency
  • Franchise/Utility Arrangements
  • Extraction and Mining
  • Transportation of Source Material
  • Peak Source

❖ Energy Systems
  • Distributed Systems v. Distribution Systems
  • System Impacts: Infrastructure, Land Use, Pollution
  • Environmental Impacts: Habitat, Climate

❖ Types
  • Renewable: Solar, Wind, Hydro, Geothermal
  • Fossil Fuels: Natural Gas, Petroleum, Coal
  • Co-Generation

APA Policy Guides: Energy, Climate Change
Areas of Practice

Infrastructure

e.g., utilities, community facilities, energy, green and blue infrastructure, communications, waste, water and sewer, concurrency

- Pipes (water, sewer, gas, etc.)
- Wires (electricity, communications, etc.)
- Trash (collection, disposal, reuse)

Consider demand, types of systems, funding to construct and maintain, contamination potential, and implications on development.
Areas of Practice

Transportation

- Federal Involvements
  - Federal-Aid Highway Acts, 1916 and 1921
    - Model for Subsequent Programs
    - Required States to form DOTs
    - First major inroad into transportation by the Federal Government
  - Federal-Aid Highway Acts, 1956 and 1962
    - Established the Interstate System of Defense Highways
    - Trip Generation, Trip Distribution, Modal Split & Supply Analysis
    - Traffic Assignment Modeling
  - Federal Highway Act of 1973
    - Created Metropolitan Planning Organizations
    - Established Transportation System Management
  - Intermodal Surface Transportation Efficiency Act, 1991
    - Increased public participation – ‘meaningful’ participation
    - Established the Surface Transportation Program
Areas of Practice

Transportation

❖ Modes of Transportation
  • Walking, Bicycling, Animal-drawn
  • Bus, Trolley, Light Rail, Heavy Rail, Monorail, etc.
  • Private Vehicle, Truck, Tractor Trailer, Freight Train
  • Unpowered boat, Power Boat, Ship, Aircraft, Spacecraft
  • Pipeline, wire line, wireless transmission

❖ Passenger Mobility and Accessibility
  • Physical accessibility addressed via local regulation and the ADA
  • Socioeconomic mobility – cannot afford to travel; own a car
  • Car dependency / Car slavery – result of postwar planning practices

❖ Freight and Goods Movement
  • Freight movement planning
  • Rail evolution and shortages
  • Port location, design, and integration
Areas of Practice

Transportation

- Cross-Element Considerations
  - Think multi-modal!
  - Energy and growth management implications
  - Spatial: Interactions at local, regional, state, & national levels
  - Jursidiction: State, Local, Regional, Private, Federal, International

- Level of Service: Letter grade, A-F, indicating how efficient an element of the transportation system is operating; A is freeflow, F is gridlock.
- Trip Generation Rates: SF house 10/day -> Apartment Unit 6/day

- Firsts in US Transportation
  - Lancaster Pike – First Turnpike, 1793
  - National Road – First Federal Road, 1811
  - Boston Subway – First Underground Rail, 1897
  - PA Turnpike – First Limited Access Highway, 1940

APA Policy Guide: Surface Transportation
Areas of Practice

Economic Development

- Business Attraction and Retention
  - Existing business community
  - Local socioeconomic, demographics,
  - Infrastructure extension or expansion

- Real Estate Development
  - Analysis of potential sites, market conditions, and financial feasibility
  - From streetscape improvements to sports complexes
  - Public-private partnerships

- Work Force Attraction and Retention
  - Create communities that attract talent and business will follow
  - Personnel choose their community, then choose their work setting

- Emerging Economic Trends
  - Shared Economies
  - ‘Gig’ Industries
Areas of Practice

Economic Development

- Strategies, Incentives, Tools:
  - Industrial Parks
  - Research and Development Parks
  - Main Street Programs
  - Business Improvement District (BID)
  - Business incubators
  - Tax Increment Financing (TIF)
  - Elm Street Programs
  - Missing Middle Housing
  - Industrial Cluster Development
Areas of Practice

Economic Development

Economic Analysis & Forecasts

- Always question the data
- Economic Analyses
  - Floor Area Ratio (FAR) – floor space/lot size
  - Location Quotient (LQ)
  - Economic Base Multiplier

- Fiscal Impact Analyses
  - Net Present Value (monetary benefits outweigh costs)
  - Benefit-Cost Analysis (used to compare alternatives)
  - Fiscal Impact (such as Per Capita Multiplier Method)

- Know Terminology: neighborhood shopping center versus a community or regional shopping center
Economic Base techniques divide regional industries into:

- Basic or export sectors
- Non-basic or local sectors

Location Quotient: Quantifies export activity in an industry
- Commonly used, relatively easy to find data and calculate
- Usually uses employment data (output or income can also be used)

\[
LQ = \frac{e_i}{e} / \left( \frac{E_i}{E} \right)
\]

- \( e_i \) = local activity in Industry
- \( e \) = total local activity
- \( E_i \) = national activity in Industry
- \( E \) = total national activity
- Assummes base year is identical

Result \( >1 \) means export or basic
Result \( <1 \) means import or non-basic
Sample Question

<table>
<thead>
<tr>
<th>Industry</th>
<th>Local Employment</th>
<th>National Employment</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>3%</td>
<td>6%</td>
</tr>
<tr>
<td>Y</td>
<td>10%</td>
<td>7%</td>
</tr>
<tr>
<td>Z</td>
<td>11%</td>
<td>3%</td>
</tr>
</tbody>
</table>

5. Listed above are two types of employment percentages for industries X, Y, and Z in a metropolitan area. The local employment for each industry is listed as a percent of total local employment, and the national employment in each industry is listed as a percent of total national employment. Under the location quotient method, an economic planner can assign which of these industries to the export sector of the metropolitan area?

A. Y only  
B. X only  
C. X and Z  
D. Y and Z

Answer: D. This is a realistic example of the type of calculation question that the exam may have (from the Georgia Chapter).
Areas of Practice

Economic Development

❖ Economic Base Multiplier
  • Measures local economic growth as follows:

  \[
  \text{EBM} = \frac{\text{TOTAL ECONOMIC ACTIVITY}}{\text{BASIC SECTOR ACTIVITY}}
  \]
  
  • An EBM of 3, for example, would mean that for every basic job/output/dollar, three non-basic jobs/outputs/dollars are created.

❖ Shift Share Analysis
  • Descriptive technique for analyzing sources of change in the regional economy by looking at national share, industry mix, and regional shift.

  • National growth share: portion of local growth due to growth in the national economy.

  • Industry mix: the effect of industry trends on local employment.

  • Regional shift: unique local factors relating to local employment growth or decline.
Areas of Practice
Urban design

- Major Traditions of Urban Design
  - Monumental City Design
  - Garden Suburb and Garden Cities
  - Modernism
  - Megastructure
  - New Urbanism and Neotraditional

- Social Aspects of Urban Design
  - Place Making
  - Walkability
  - Car Slavery
  - Public Realm

People and places are critical:
1929 *Regional Plan for New York City and Its Environs* and its explanation of the neighborhood unit concept by Clarence Perry for example.
Areas of Practice
Parks, Recreation, and Open Space

❖ Inventory of Facilities and Needs
  ▪ Types of parks: community, neighborhood, pocket, tot lots, gardens, greenways
  ▪ Needs Assessment Bases - Resource, Activity, Economic, Behavioral – will influence the outcome of a plan effort

❖ Active Use as Open Space
❖ User Satisfaction and Measures of Effectiveness

Link back to:
Case law (Overton Park v Volpe, 1971 for example)
Legislation (Section 4(f) of the Dept of Transportation Act)
Areas of Practice

Health and Active Living

- Planning Has a Direct Impact on Public Health
  - Active Living through Design
  - Walkability and Car Dependency
  - Aging in Place / Lifecycle Communities
  - Service Distribution

- Health Needs Assessment
  - Required by federal law of all non-profit health facilities
  - Analysis of health issues in a community
  - Guide to providers on which services are needed
  - Also can be guide to development and planning needs

- Social Determinants of Health
  - Economic Stability
  - Education
  - Social/Community Context
  - Healthcare Availability
  - Neighborhood and Built Environment
Areas of Practice
Food Systems

- Food system and Foodshed
  - All production, transportation, consumption, and disposal of food and related products
  - Production facilities
    - Agriculture
    - Horticulture
    - Aquaculture
  - Consumption
    - Supermarket
    - Street Market
    - Farmer’s Markets
  - Impacts
    - Food Waste
    - Food Deserts
    - Access and Excess
    - Over-processing and modified food

APA Policy Guides:
Food Planning and Agricultural Lands Preservation