City of Los Angeles

Integrated Resources Plan (IRP)

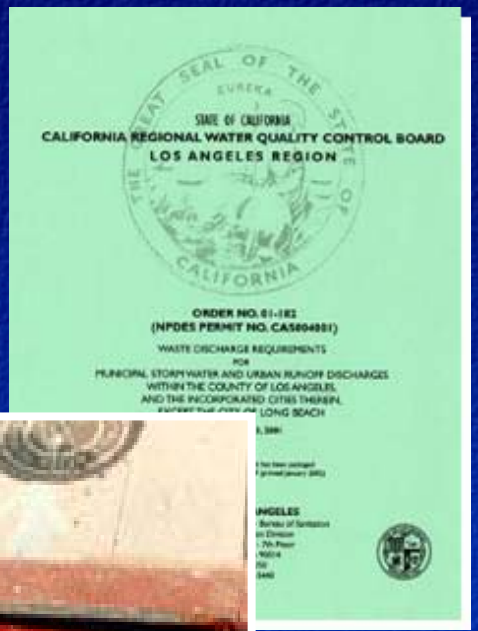
Certification of Final Environmental Impact Report (EIR) and Adoption of IRP Recommendations

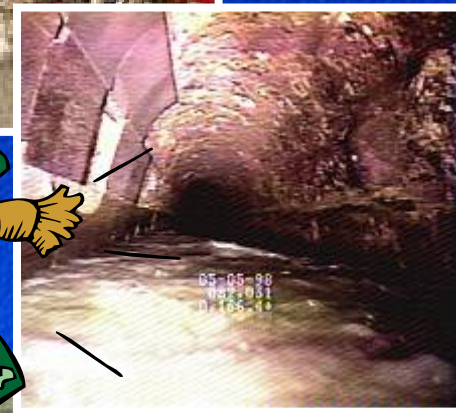
Ad Hoc LA River Committee

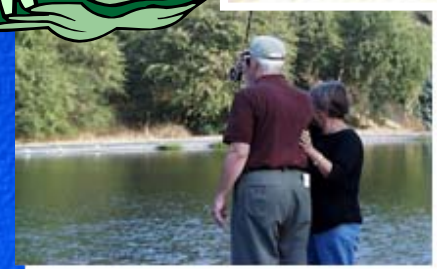
October 30, 2006

The Challenges

- New Regulations
- Growth & Aging Infrastructure
- Dependence on Imported Water
- Limited Open Space
- Limited Funds







The Solutions

PARTNERSHIPS

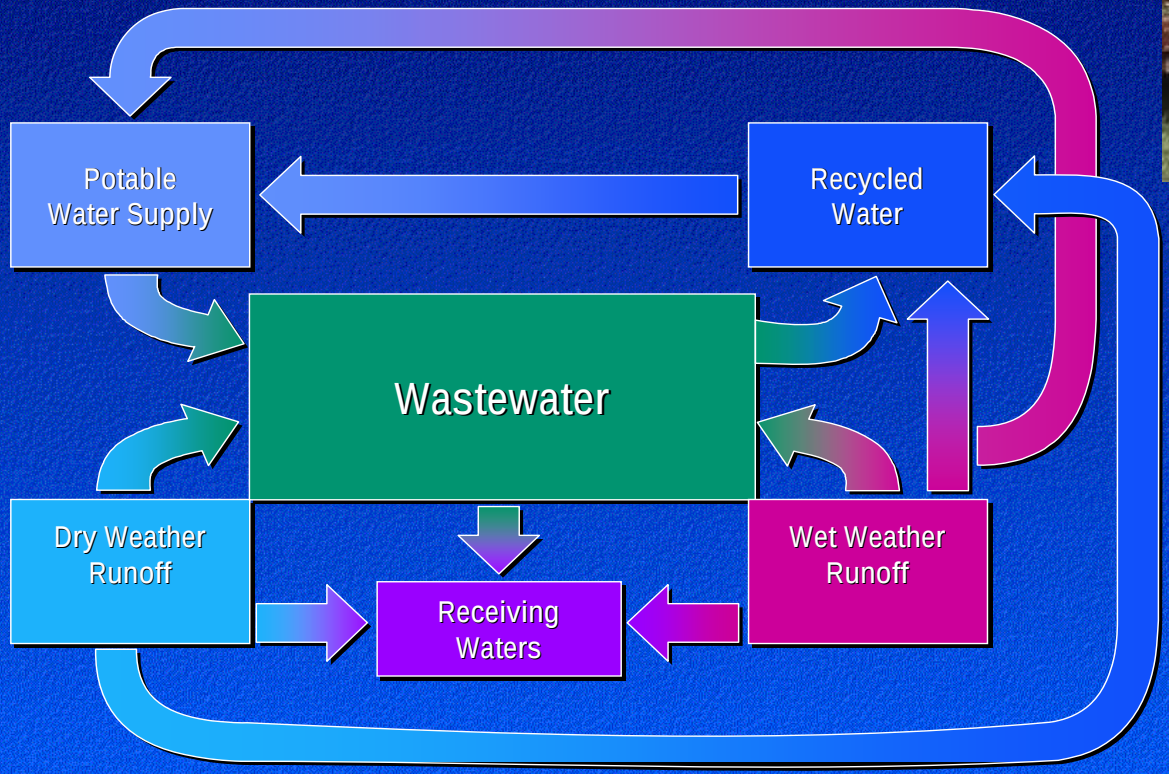
(Innovation, Commitment & Education)

- **Regulators**
- **Policy Makers**
- **Environmental Organizations**
- **Community Groups**
- **Businesses**
- **Sister Agencies**

The Solutions

INTEGRATED PLANNING

Year 2020 - Integrated Resources Plan (IRP)



The Integrated Resources Plan (IRP)

The unique IRP process:

- **Provided extensive, meaningful and interactive participation of diverse stakeholders throughout the planning process**
- **Integrated wastewater facilities planning with water supply, water conservation, water recycling, and stormwater management issues through a regional *watershed approach*.**

IRP Phase II actively involved the community

- **Steering Group: 117 participants**
- **Advisory Group: 218 participants**
- **Information Group: 232 participants**
- **Coordination with regional partners: Caltrans, SCAG, LA County DPW, ULARA Watermaster, MWD, USACE, US Bureau of Reclamation, MTA, City of Glendale, City of Burbank, LAUSD, others**
- **Coordination with City departments: DWP, Bureau of Sanitation, Bureau of Engineering, Planning, Mayor's Office, Council Offices, CAO, CLA, Rec & Parks, DONE, Environmental Affairs, City Attorney's office, PAO, others**

IRP Phase II actively involved the community

- 13 Steering Group Workshops (1/2 day)
- 20 Advisory Group Meetings
- 49 Coordination meetings with regional agencies/City Departments
- 55 Pre-DEIR Community Meetings
- 4 Public Hearings
- 4 Information Group Newsletters, sent to over 500 people

Over 140 meetings!

IRP Documents (All Available on Website at www.lacity.org/SAN/irp)

- Facilities Plan (4 volumes) – July 2004:
  - Vol 1: Wastewater Management
  - Vol 2: Water Management
  - Vol 3: Runoff Management
  - Vol 4: Alternatives Development and Analysis
- Environmental Impact Report – Draft (Nov 2005) and Final (Sept 2006)

Draft Alternatives in EIR

Alt. 1	Hyperion 500 mgd, moderate potential for water resources projects
Alt. 2	Tillman 80 mgd and LAG 30 mgd, high potential for water resources projects
Alt. 3	Tillman 100 mgd, moderate potential for water resources projects
Alt. 4	Tillman 100 mgd, high potential for water resources projects

These alternatives reflect the spectrum of wastewater assumptions, provide leadership in water resources and balance today's financial realities.

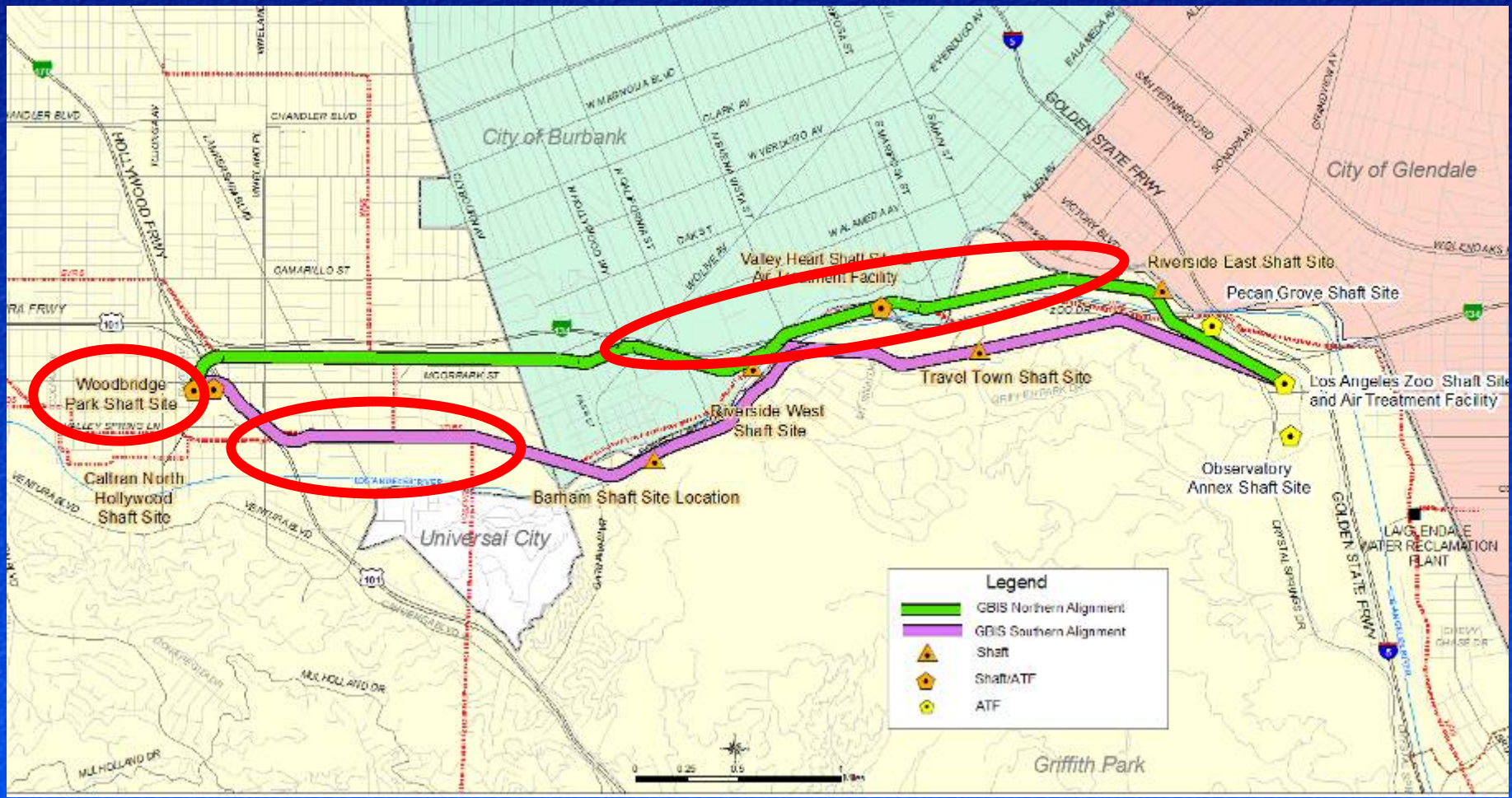
Opportunities to Submit Comments on DEIR

- Original Public Comment Period: 90 days (through February 27, 2006)
- Extended Public Comment Period: 120 days (through March 31, 2006)
- Comments were submitted online, emailed, mailed, faxed, or recorded orally at the public hearings:
  - Van Nuys City Hall
  - West Los Angeles
  - Downtown LA
  - LA Zoo
- Additional community briefings and meetings occurred on site-specific issues

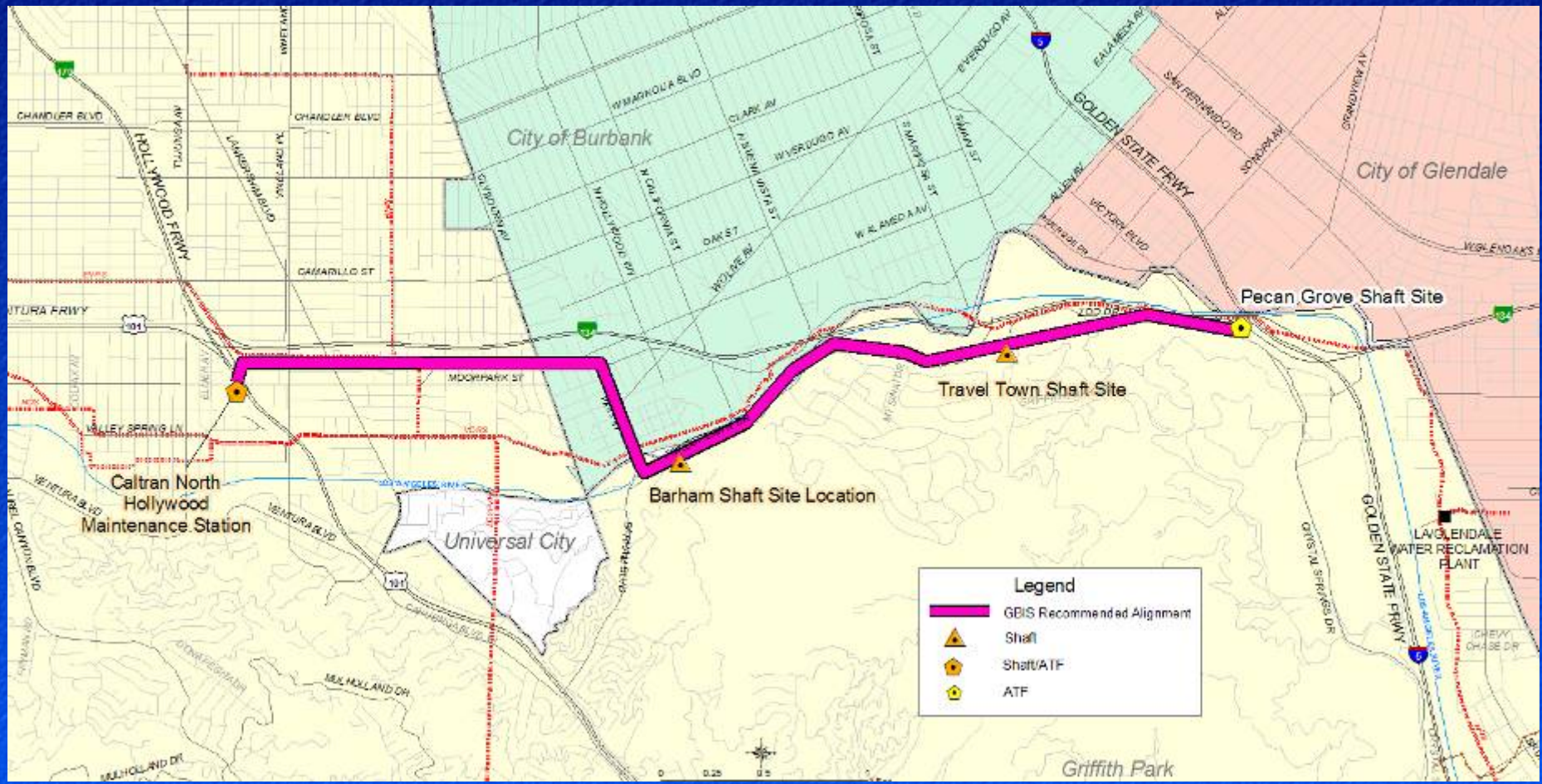
EIR Comments Received – Let's Look at the Numbers

- 2,767 comments letters
  - 26 from agencies and local municipalities
  - 22 from organizations
  - 494 from individuals
  - Over 1,600 form letters
  - Remainder from public meetings
- Copies of all comments and responses are included in the Final EIR

General Overview of Comments: Glendale-Burbank Interceptor Sewer



Glendale-Burbank Interceptor Sewer – Staff Recommended Alignment



General Overview of Comments

- El Segundo
  - Comments on odor, noise, aesthetics
- Comments on alternatives
  - Expand treatment plants in areas distant from homeowners
  - Maximize sustainability and select either Alt 2 or 4 because of their watershed approach
  - Maximize use and reuse of urban runoff and maximize recycled water production at LAG

Consideration of Draft EIR Comments

- City considered and responded to DEIR comments submitted during the review period
- City integrated additional input from public and agency comments on the DEIR into the FEIR
- Specific revisions included:
  - Identification of GBIS and NEIS-II Alignments that meet system needs and minimize impacts
  - Identification of the staff-recommended alternative
  - Additional voluntary measures to address public comments

Staff Recommendations

Staff Recommended Alternative - Alternative 4 Tillman Expansion, High Water Resources

- **Water Reclamation: Use up to 56,000 acre-feet per year**
- **Water Conservation – Increase efforts**
- **Runoff Reduction, Treatment and Beneficial Use**
  - **Dry Weather: Manage up to 42%**
  - **Wet Weather: Manage up to 47%***

City of Los Angeles

Three Sections of One New Sewer

*Percent of runoff from ½ inch storm Citywide

**Dependent on permit requirements

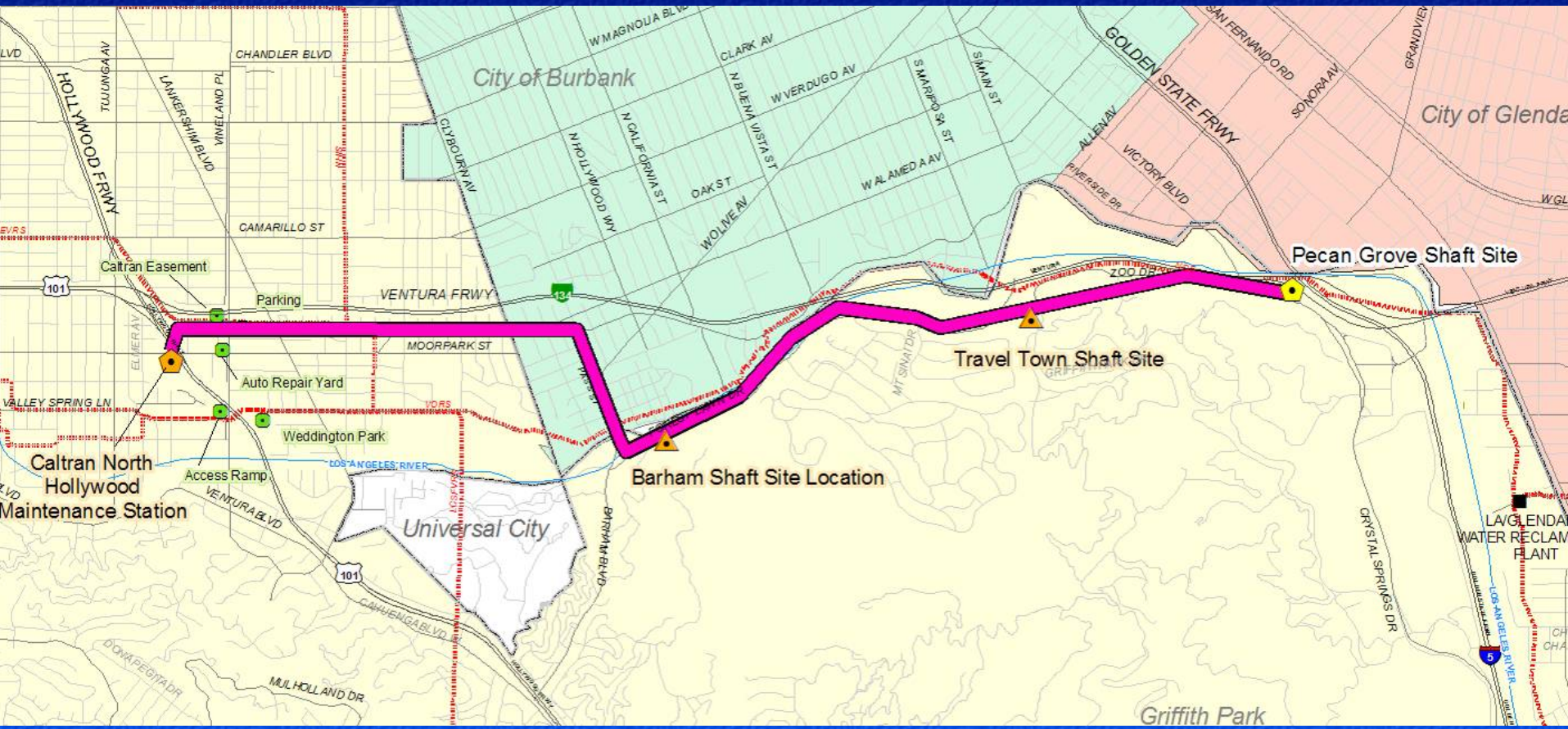
IRP Staff Recommendations

- Implementation Strategy based on triggers
  - **Go Projects:** projects that have been evaluated in EIR as a site specific project and are recommended to be implemented immediately because associated triggers have been met
  - **Go If Triggered Projects**: projects recommended to be implemented in the future, once a certain trigger is reached
  - **Go Policy Directions:** specific directions to staff on the next studies and evaluations required to provide progress on programmatic elements in the preferred alternative

Recommended Go Projects

- Projects that have been evaluated in EIR as a site specific project and are recommended to be implemented immediately because associated triggers have been met

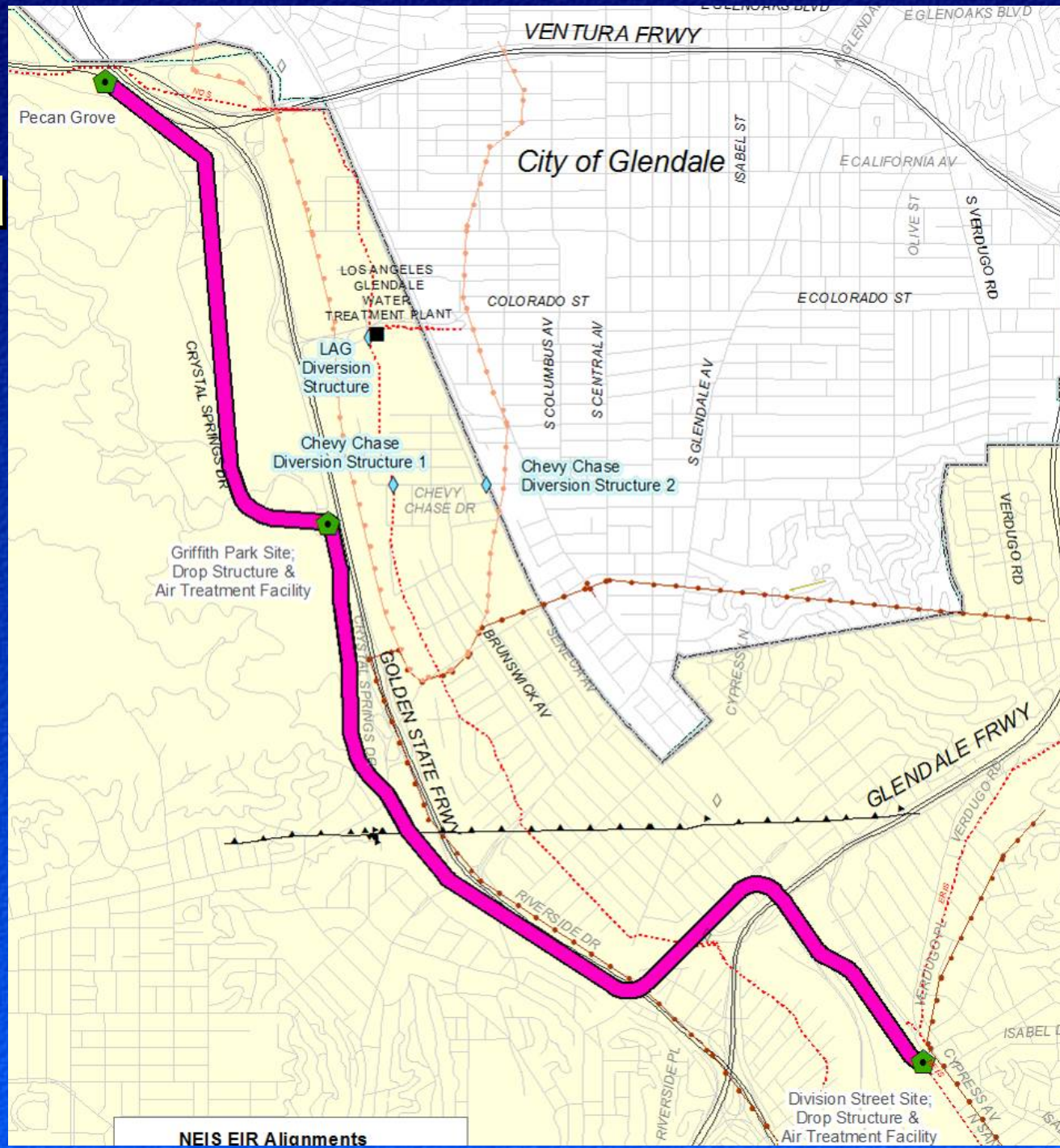
Staff Recommended GBIS Alignment



- Avoids impacts associated with the eastern portion of the GBIS North Alignment
- Avoids contingency response issues and concerns along the western portion of the GBIS South Alignment

Staff Recommended NEIS II Alignment

- West Alignment Option B
- Better constructability
- Fewer right-of-way acquisitions



Recommended Go If Triggered Projects

- Projects recommended to implemented in th future, once a certain trigger is reached
  - Population growth
  - Recycled water regulations
  - Wastewater discharge regulations (to LA River)
  - Total Maximum Daily Load (TMDL) requirements for LA River, Santa Monica Bay, Ballona Creek
  - Available funding

Recommended Go Policy Directions

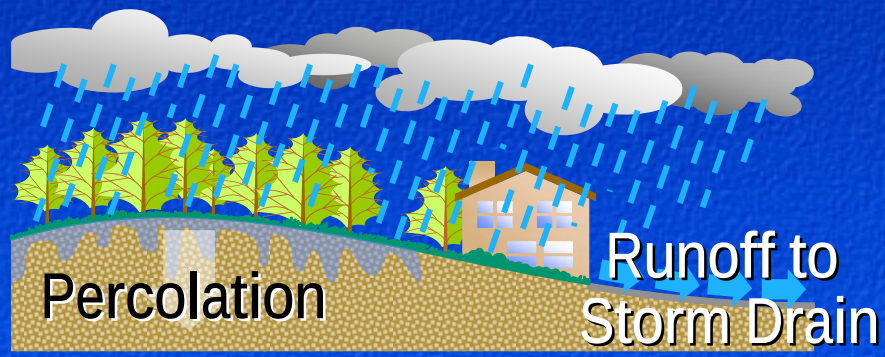
- Recycled Water
  - Non-Potable Uses
    - Maximize recycled water by conducting customer surveys and marketing plan
    - Dual plumbing for large developments in purple corridor
    - Coordinate construction of recycled water lines with other projects
  - Indirect-Potable Uses (Groundwater Replenishment)
    - Develop Outreach plan and conduct feasibility review
  - Environmental Uses
    - Support LA River and other environmental uses

Recommended Go Policy Directions

- Water Conservation
  - Reduce outdoor water usage
  - Implement smart irrigation for large developments
  - Provide incentives

Recommended Go Policy Directions

- Runoff Management
  - Wet Weather Runoff
    - Increase onsite capture, retention, reuse and infiltration
    - Increase use of porous pavement
    - Revise SUSMP
    - Power easements and vacant lots



Recommended Go Policy Directions

- Runoff Management
  - Dry Weather Runoff
    - Low flow Diversions
    - URPs
    - Wetlands
    - Smart irrigation

Environmental Impacts of the Recommended Alternative

- Potentially significant project and/or cumulative impacts:
  - Aesthetics
  - Air Quality
  - Biological Resources
  - Coastal Resources
  - Archaeological Resources
  - Paleontological Resources
  - Geology
  - Hazards
  - Hydrology and Water Quality
  - Noise and Vibration
  - Recreation

The Recommended Sewer Alignments Have Minimized the Potential for Significant Impacts

- **GBIS Hybrid Alignment**
  - Construction shaft sites would avoid the City of Burbank and Woodbridge Park, and would minimize impacts to Griffith Park facilities
  - Addresses concerns of Burbank residents at the Pollywog, including Aesthetic, Air Quality, Odor and Noise, Equestrian Use impacts
  - Incorporates voluntary measures to minimize settlement, noise and vibration, and traffic impacts along Pass Avenue
- **NEIS II West Alignment**
  - Avoids tunneling in contaminated groundwater.
  - More favorable geology will facilitate construction

Mitigation Measures will Reduce Project Impacts to a Less than Significant Level

- Aesthetics
- Biological Resources
- Coastal Resources
- Hazards
- Noise and Vibration

Potentially Significant Impact will Remain - Requires a Statement of Overriding Considerations

- Air Quality
- Cultural Resources (archaeological and paleontological resources and Native American remains)
- Geology
- Hydrology and Water Quality
- Recreation
- Cumulative Impacts: Air Quality
- Cumulative Impacts: Biological Resources
- Cumulative Impacts: Hydrology and Water Quality
- Cumulative Impacts: Noise

Estimated Capital Costs

Go Projects	Estimated Capital Cost (in $2006)
Wastewater Storage at Tillman	$120 million
Wastewater Storage at LAG	$20 million
Recycled Water Storage at LAG	$8 million
Glendale-Burbank Interceptor Sewer (GBIS)	$196 million
Northeast Interceptor Sewer II (NEIS II)	$230 million
Total Go Projects	$663 million

Estimated Capital Costs

Go if Triggered Projects	Estimated Capital Cost (in $2006)
Tillman Upgrade to Advanced Treatment at 80 mgd	$339 million
Tillman Expansion to 100 mgd (with advanced)	$210 million
LAG Upgrade to Advanced Treatment at 20 mgd	$105 million
Hyperion Secondary Clarifiers	$92 million
Hyperion Digesters (12)	$303 million
Valley Spring Lane Interceptor Sewer (VSLIS)	$156 million
Total Go Projects	$1,205 million

Request following City Council actions:

- Certify IRP Final Environmental Impact Report
- Adopt Statement of Findings and Overriding Considerations
- Adopt Mitigation Monitoring and Reporting Plan
- Adopt Staff Recommended Alternative 4 as the recommended alternative for the IRP
- Approve the Implementation Strategy for the IRP
- Instruct staff to file the attached NOD within 5 working days of City Council approval
- Instruct Department of Public Works' Bureau of Sanitation to report annually on the progress in achieving the recommendations

Questions?