



Orange County Sanitation District

We're here for you.

Slow and Steady Wins the Race

A

Local Government Information Model Implementation

Doug Rulison

Enterprise Information Management
Orange County Sanitation District



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Agenda

1. What is the Local Government Information Model (LGIM)?
2. Why we did it?
3. How we did it?
4. What's next?



OCSD Service Area

471 square miles

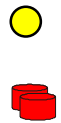
207 million gallons per day

2.5 million population

21 cities, 3 special districts

15 pumping stations

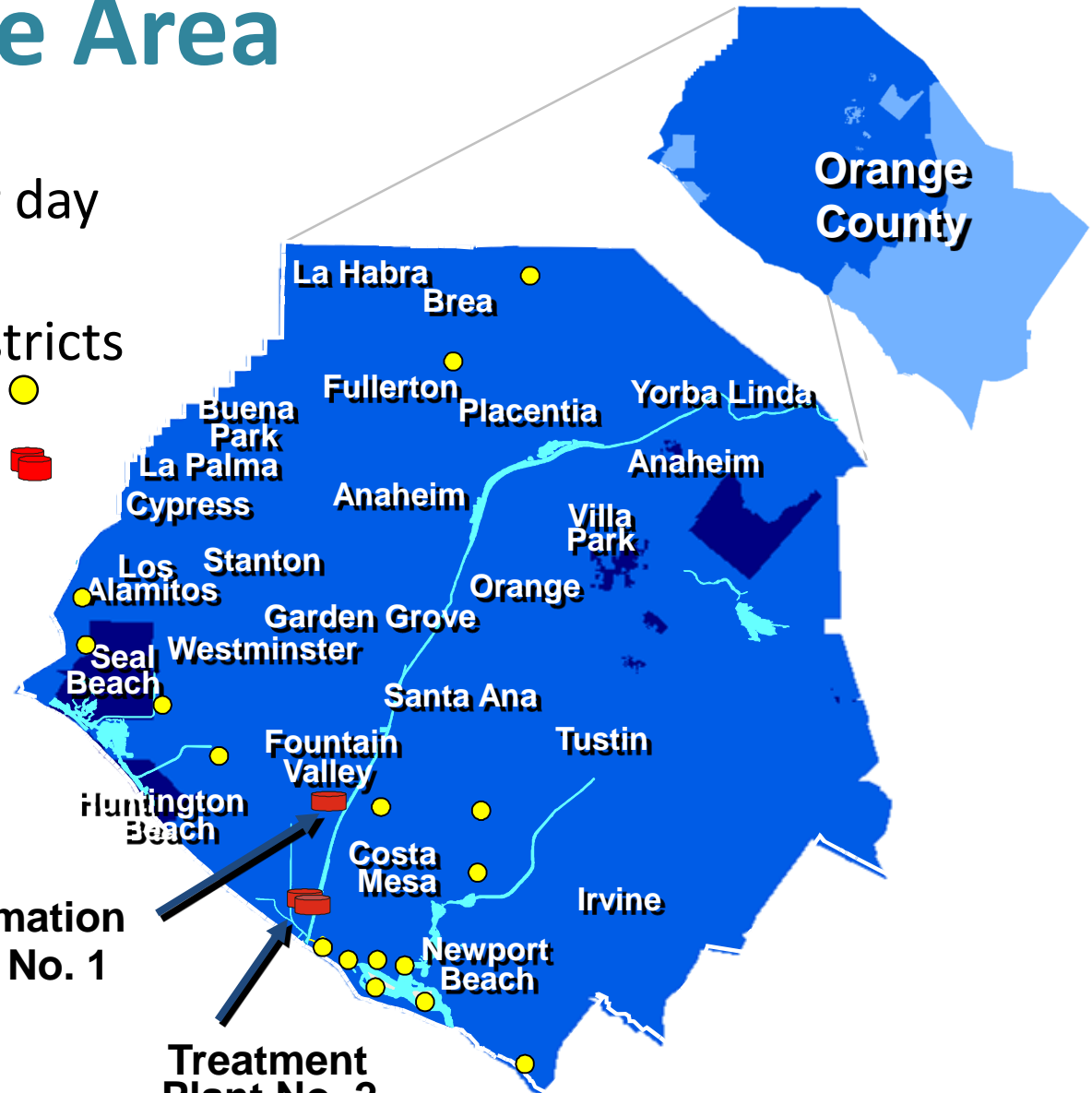
2 treatment plants



Pacific
Ocean

Reclamation
Plant No. 1

Treatment
Plant No. 2



Reclamation Plant No. 1 Fountain Valley



Treatment Plant No. 2 Huntington Beach



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Managed Features & Services

Treatment Plant Data

- Basemap
- Buildings
- Topography
- Safety
- Utilities

80+ features classes
12 map services

Collection System Data

- Administrative (boundaries)
- Basemap/ Land base
- Environmental
- Collection System
- Other utilities (fiber, gas, power)

30+ features classes
12 map services



What is the LGIM?

Local Government Information Model
(Industry Standard Data Model)

Web
Services

Maps

Templates

Datasets



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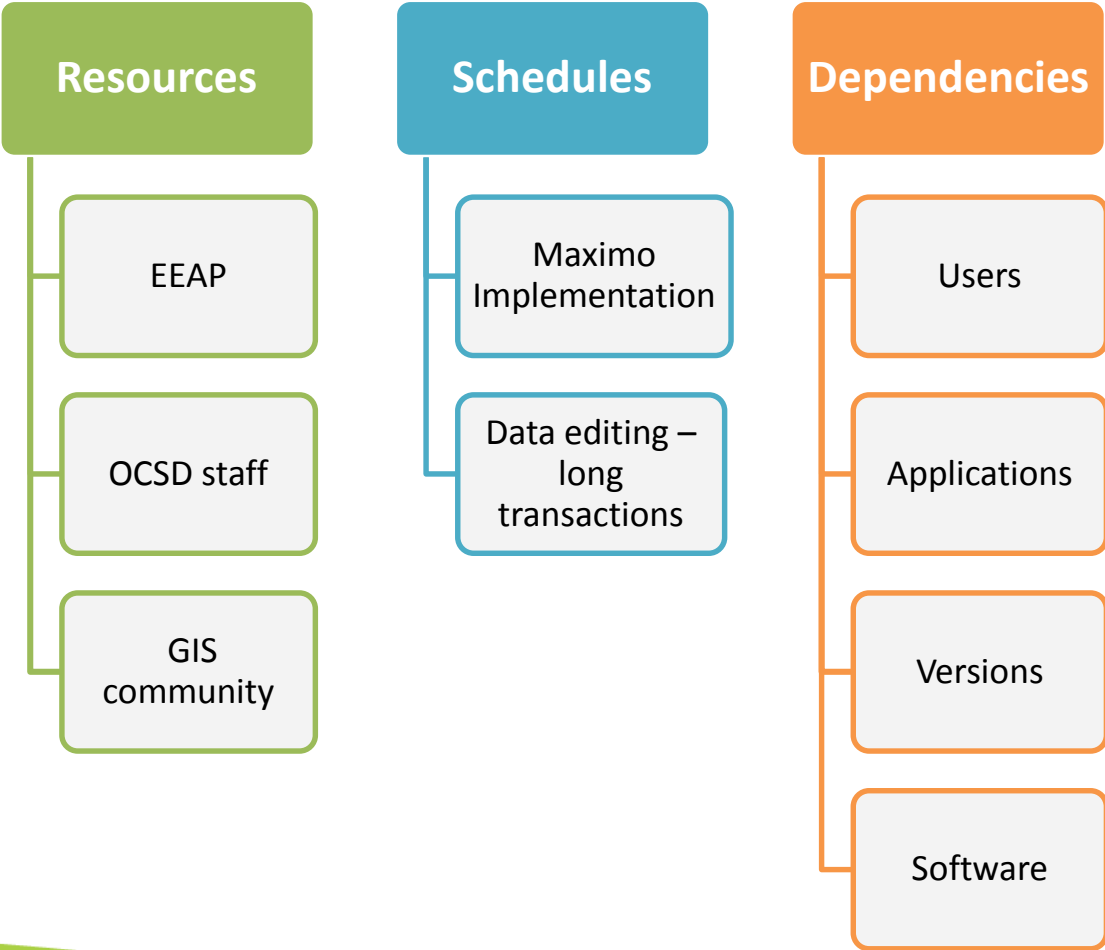
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Why we did it

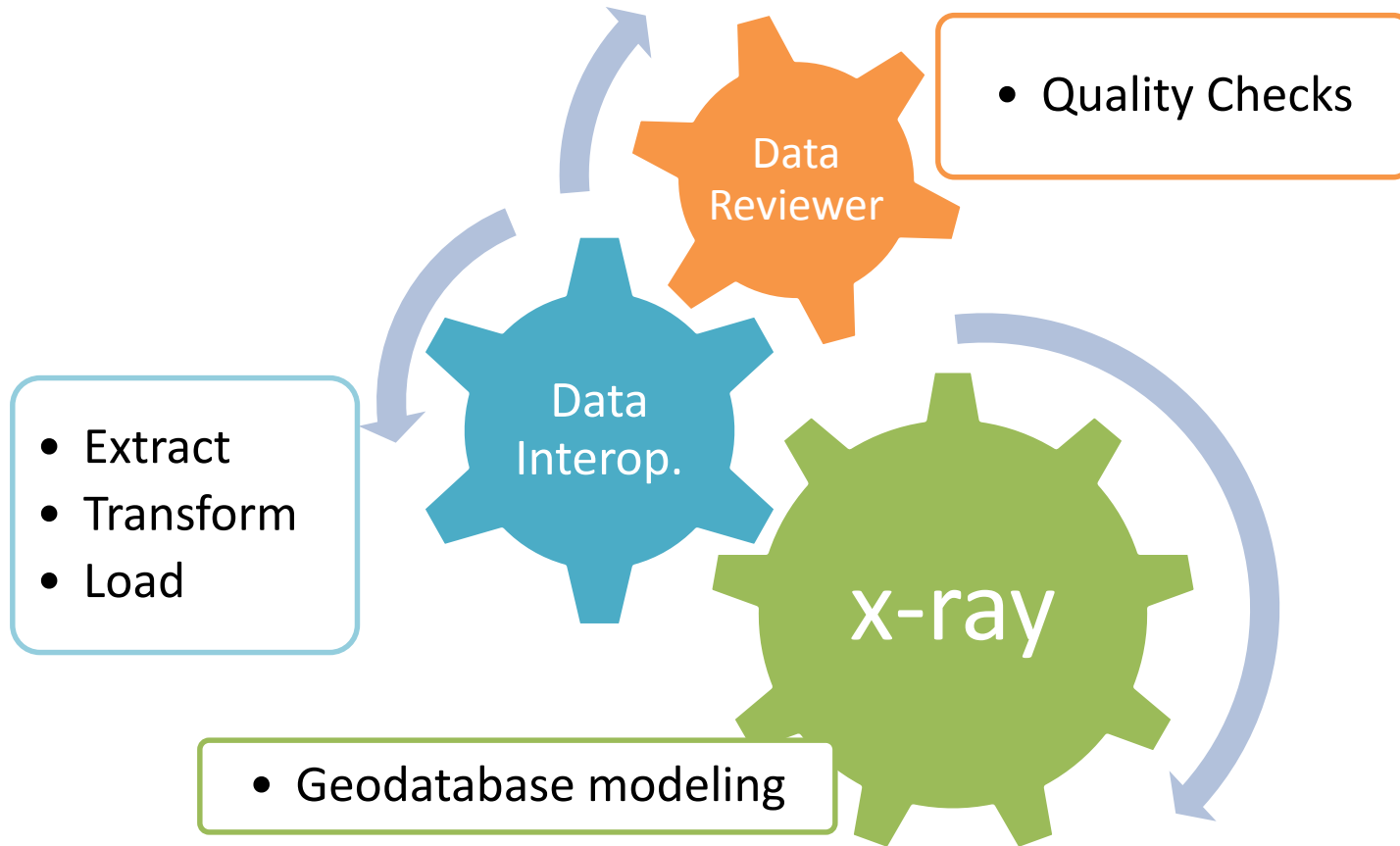
- Support I.T.'s business objectives
- Rebuild & Standardize data model
- Opportunity for tighter system integration



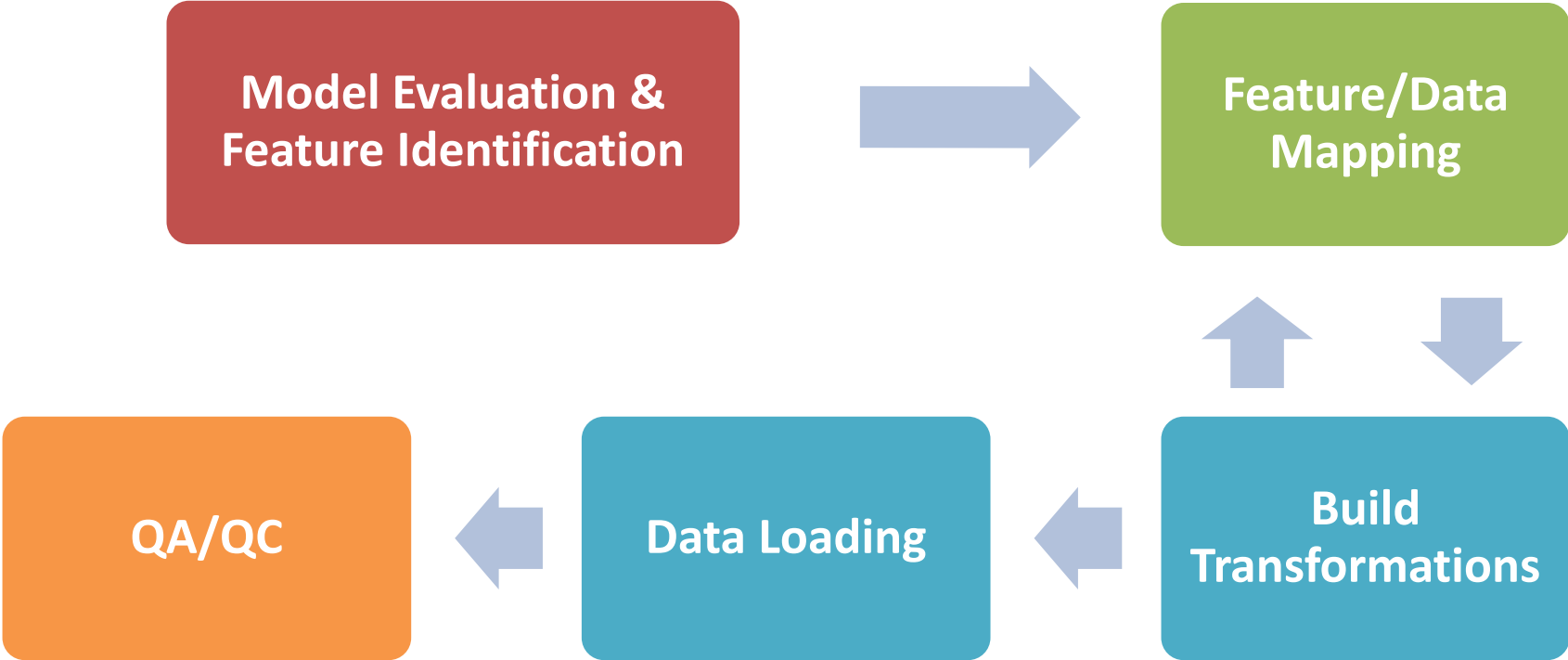
Considerations



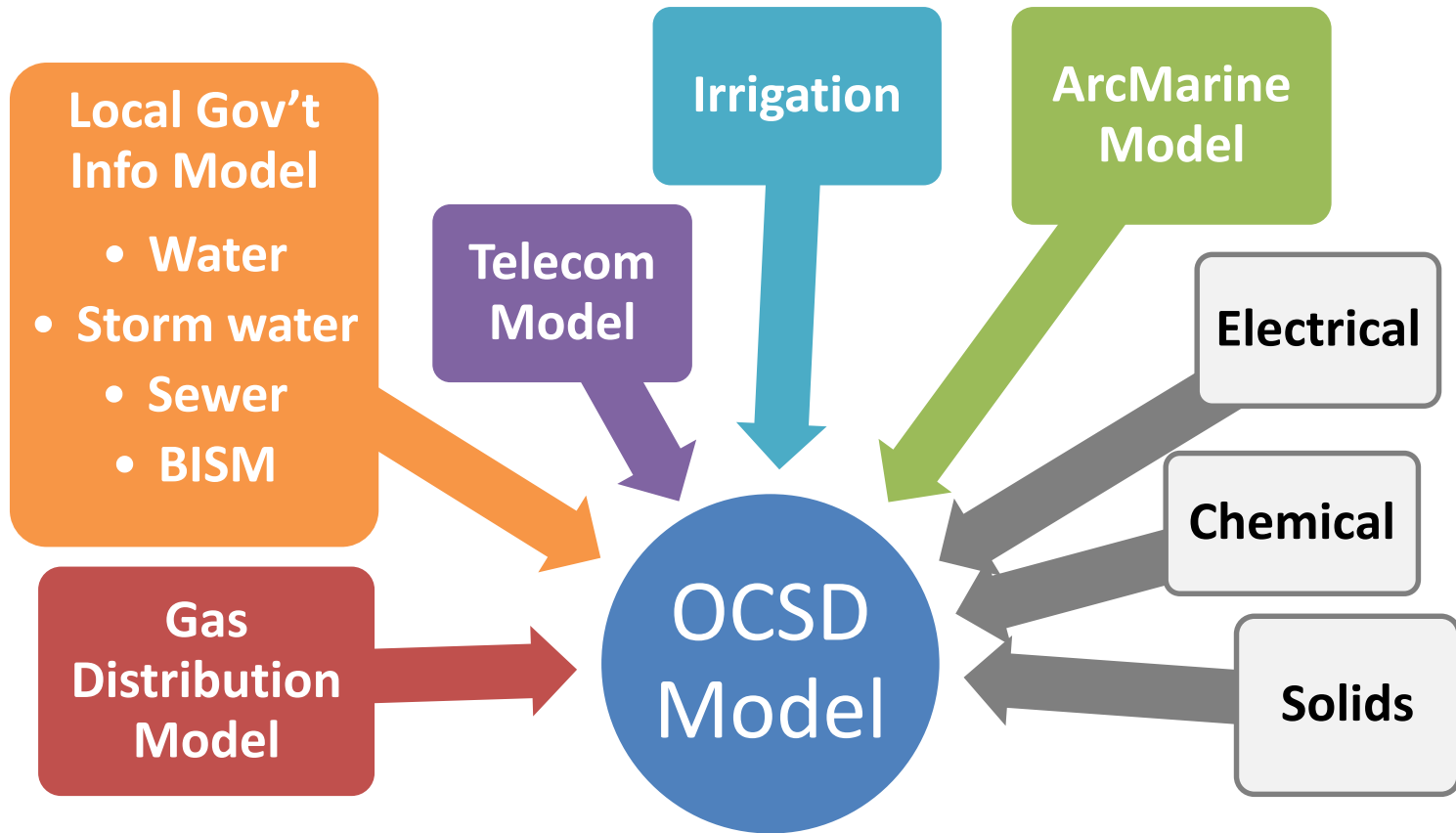
Tools used



How we did it



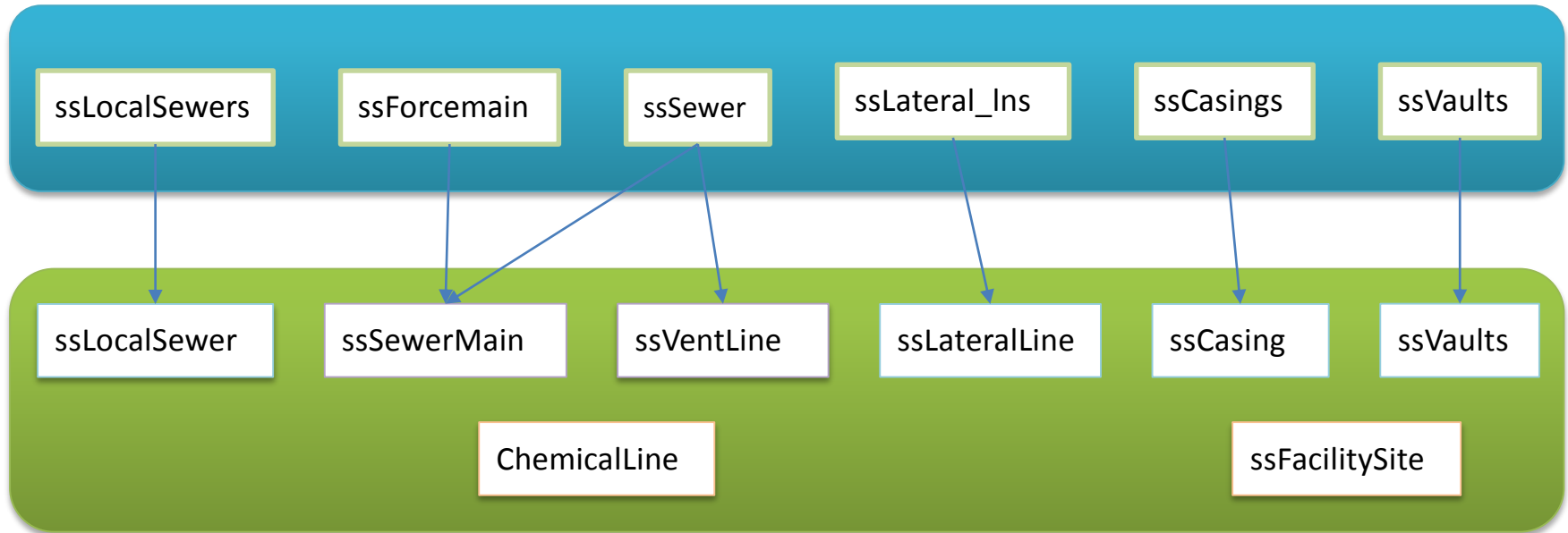
Model Evaluation



Feature Mapping

(collection system – lines, polygons)

OCSD Data Model



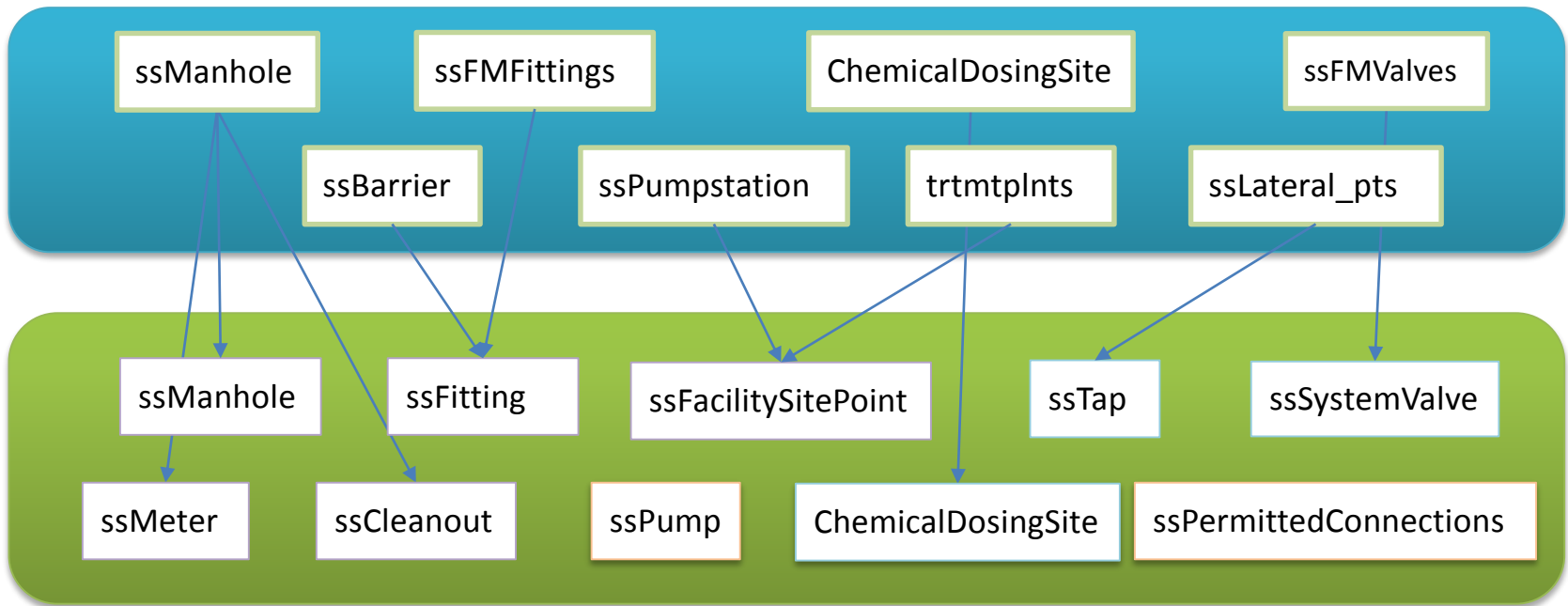
Local Gov't Info Model



Feature Mapping

(collection system – points)

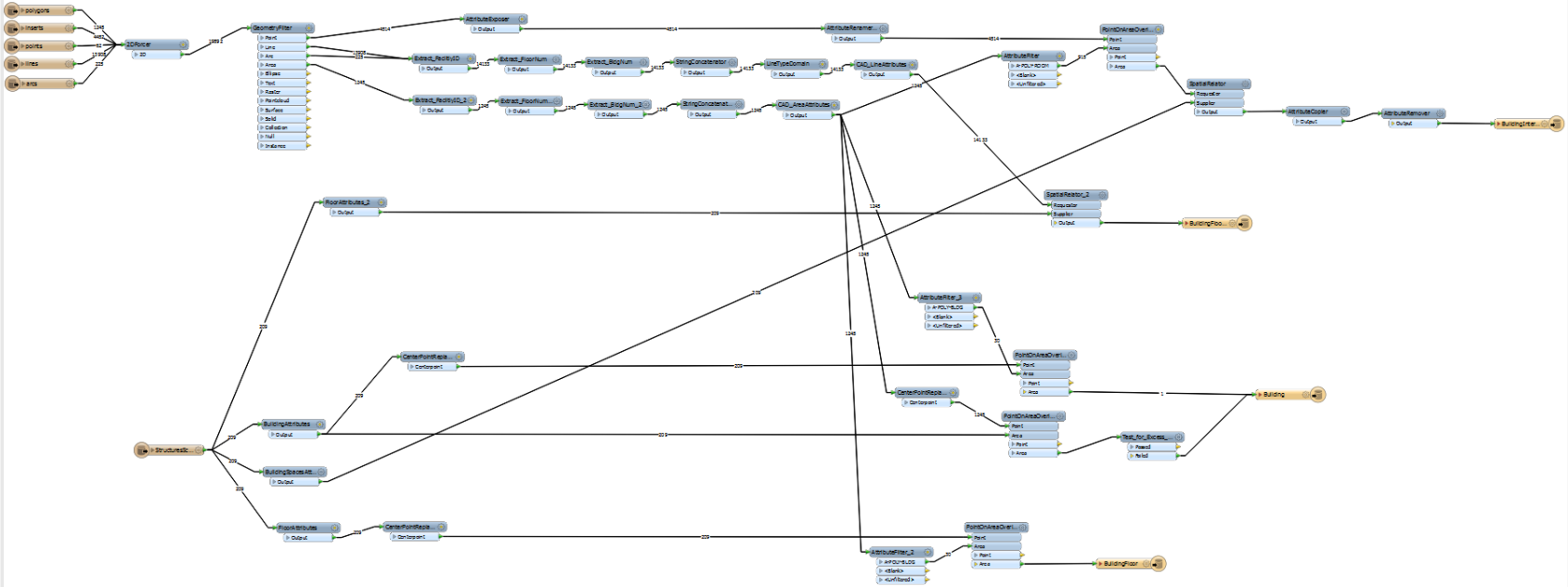
OCSD Data Model



Local Gov't Info Model



ETL – Extract, Transform, Load



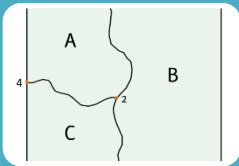
Quality Control



Visual Inspection



Data Cleanup



Build Topology



Data Reviewer



Benefits of Implementation

- Easier for staff to understand
- Better integration
- Improved data sharing



Tips

- Plan, plan, plan
- Be flexible & adaptable
- Coordinate & Communicate
- Seek advice and support



What's next

- Data cleanup – on-going.....
- Migrate web applications - completed October, 2014
- Migrate desktop users - completed October, 2014
- Documentation & Training
- Begin Facility based migration – in progress



*“slow and steady
wins the race”*



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For more information:



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