

# SMUD GIS

Presenters:

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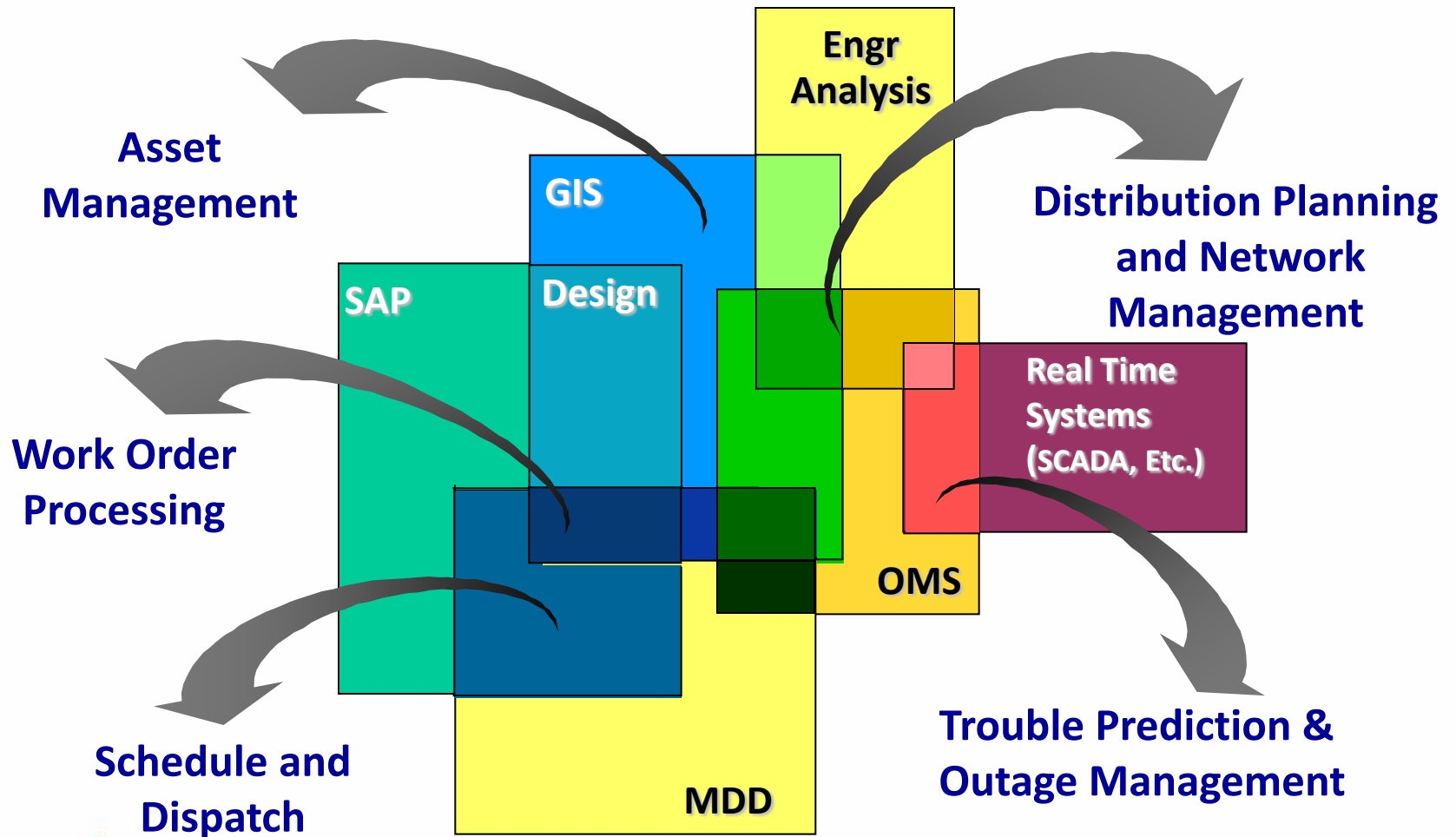
# SDIT Project

## Service Delivery Information Technology (SDIT)

- 1998 Commissioned for Development
- 1999 SAP Implemented & Selection of Technologies
- 2000 Data Conversion Began
- 2001 LD Pro Launched
- 2003 GElectric Launched
- 2004 Last Batch of Data Conversion Delivered & Mobile Data Dispatch Deployed



# DS System Integration



# LANDBASE

- Monthly Updates
- Shift Management
- Feedback Mechanisms



# BOUNDARIES

- District
- Ward Boundaries
- Planning Areas
- Troubleshooter Areas
- Vegetation Management Areas
- City Boundaries
- Community Boundaries
- Postal Boundaries
- Census Block



# Citrus Heights Landbase Shift



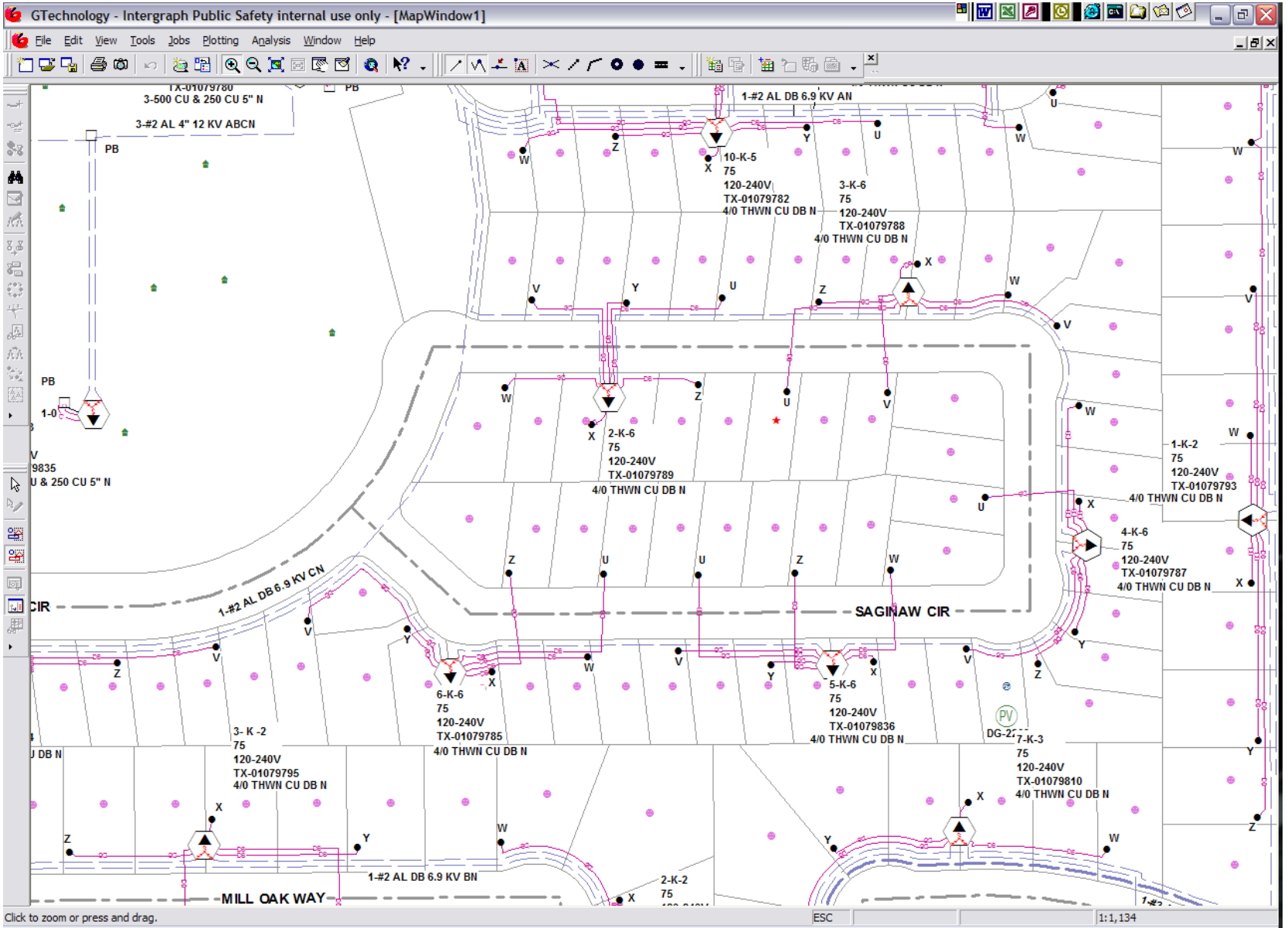
**PRIORITY ORDER**

PRM's NOT in SH#	Projected Completion Date
1	MAY 22, 2006
2	JUNE 8, 2006
3	JUNE 16, 2006
4	JULY 3, 2006
5	JULY 17, 2006

Distid\_Bdy

**GIS CONTACT NAMES and EXT.**  
**Nou Moua x5467**  
**Steve Kirin x6377**  
**Kermit Hellem x5402**





# Find Features

**Find Feature**

Feature to find:

Find criteria

Attribute:  Operator:  Value:

And  Or

OK Cancel

# View Attributes

Feature Explorer - MapWindow1

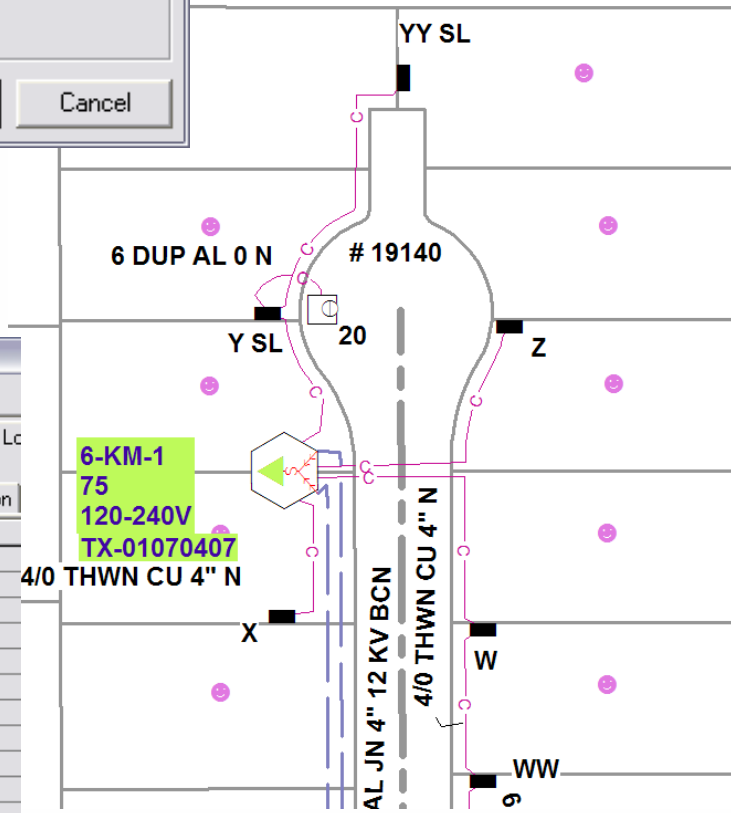
Transformer - 8723507

Review History | Review Miscellaneous Label | Review PTI Transformer Controller | Review PTI Load

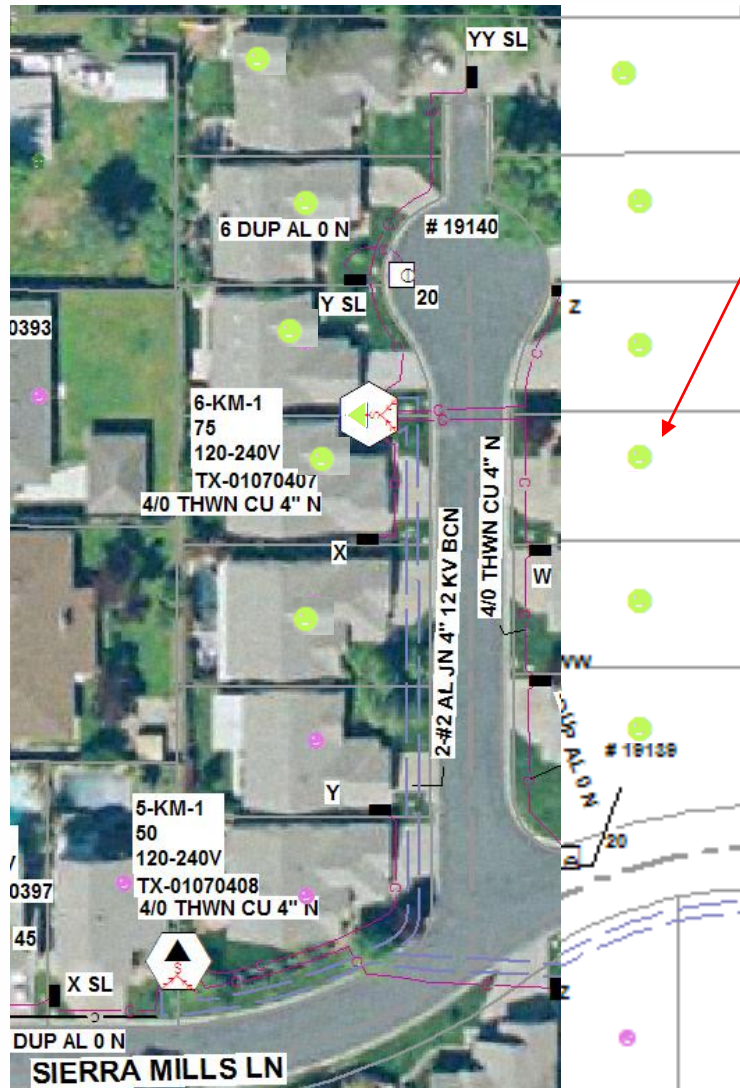
Review PTI XFMR Damage | Review Transformer Type | Review OMS Load Attributes |

Review Transformer Bank | Review Transformer | Review Primary Connectivity | Review Common

Attribute Name	Attribute Value
<b>Group Type</b>	PADMOUNT
<b>Installation Type</b>	PAD
<b>Equipment Location</b>	2829 SIERRA MILLS LN 95864
<b>Transformer Label</b>	6-KM-1
<b>Number of Phases</b>	2
<b>Primary Voltage</b>	12
Primary Dual Voltage Rating	
<b>Primary Winding Configuration</b>	DELTA
<b>Secondary Voltage Line-to-Line</b>	240
Secondary Voltage Line-to-Ground	120
<b>Phase Shift</b>	0
<b>Secondary Winding Configuration</b>	DELTA
Primary Nameplate Voltage (KV)	12



Review History		Review Miscellaneous Label		Review Device Location Group		Review Device Location		Review CCS Device Location		Review CCS Device Location Notes		Review CCS Device Location Rates		Review Common	
CCS Device	Industry Sector	CCS Meter Number	CCS Meter Reading Unit	CCS Meter Premise	CCS Rate Category	CCS Contract Account Number	CCS ACLM Indicator	CCS Night Light Inc							
▶ 1514959	RE1100	000000000000716596	00002107	0000514959	RSG	000002036294	N	N							
*															



# GElectric Demo

- Features, Attributes, Connectivity
- Searching
- Substations
- Transformer/Customer
- Tracing
- Aerial Imagery



# Mobile Data Demo



# OTHER MOBILE DATA PRODUCTS

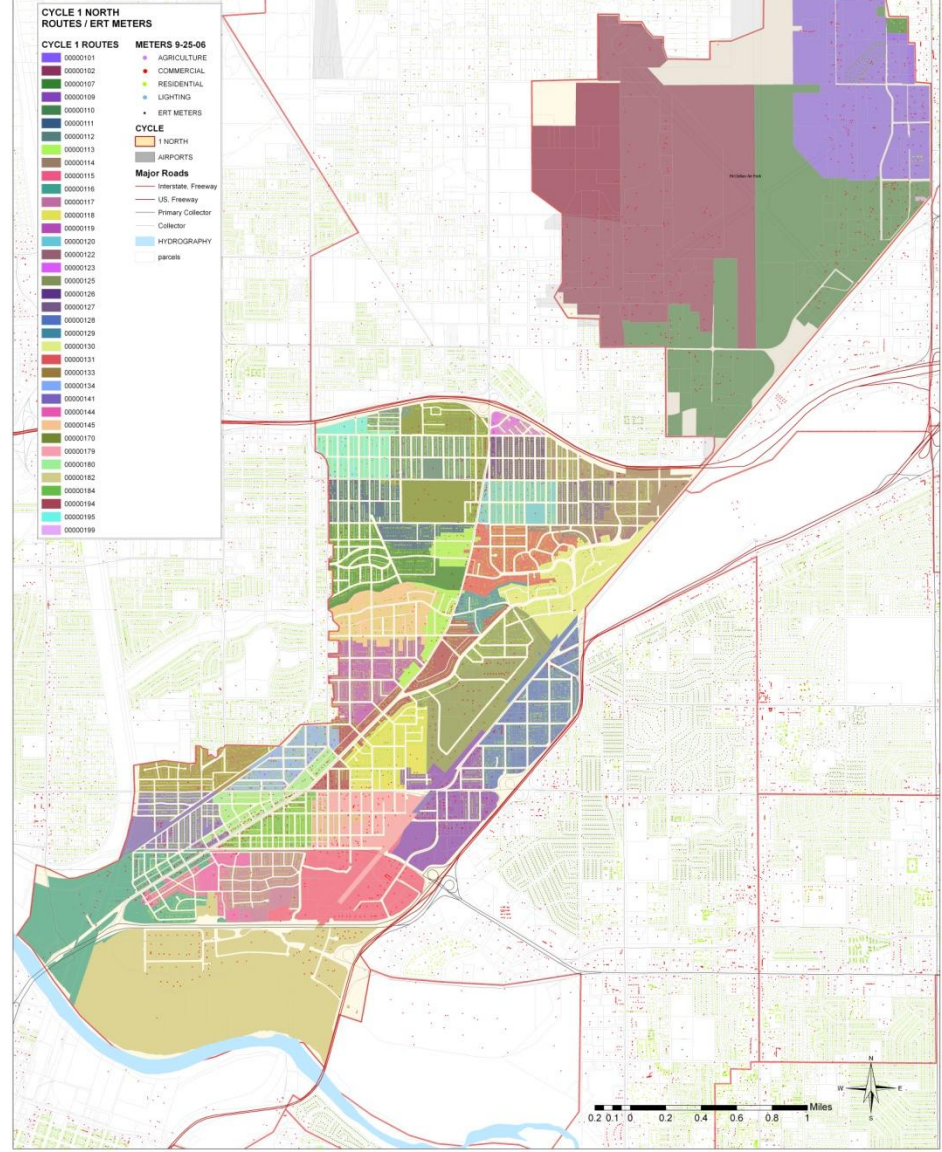


**USAID**  
FROM THE AMERICAN PEOPLE

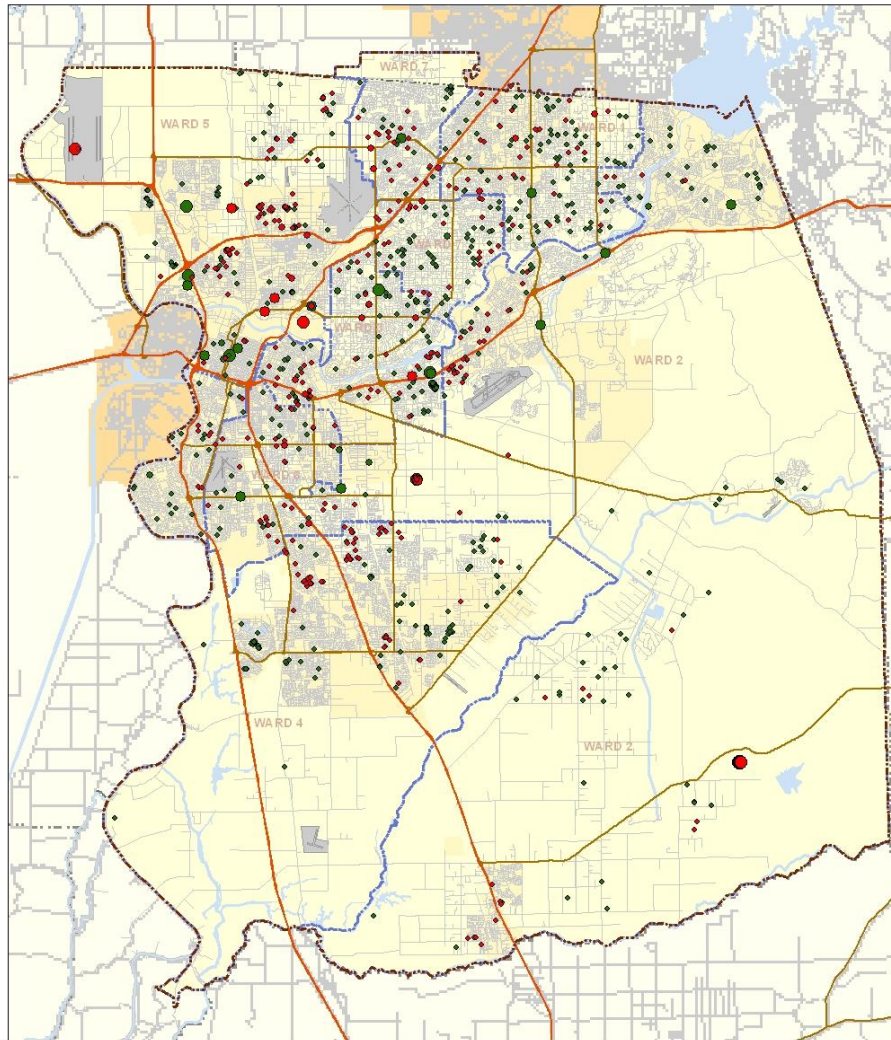


**SMUD**  
SACRAMENTO MUNICIPAL UTILITY DISTRICT  
6201 S Street, Sacramento, CA 95817-1888  
The Power To Do More.®

# CYCLE 1 NORTH ROUTES & ERT METERS







### PHOTOVOLTAIC INSTALLATIONS -SIZE

Customer Owned    SMUD Owned

- |                |                |
|----------------|----------------|
| • 0 - 10 kW    | • 0 - 10 kW    |
| • 10 - 30 kW   | • 10 - 30 kW   |
| • 30 - 100 kW  | • 30 - 100 kW  |
| • 100 - 500 kW | • 100 - 500 kW |
| • >500 kW      | • > 500 kW     |

 District Boundary  
 Ward Boundary



# GIS TOOLBOX

- GElectric-GIS (Intergraph)
- IDispatch-OMS (Intergraph)
- IMobile (Intergraph)
- GeoMedia (Intergraph)
- ArcGIS-ArcMap, ArcReader, ArcPad, ArcServer, ArcExplorer (ESRI)
- Feature Manipulation Engine (FME)
- Bing Maps & Google Maps



# GIS USE THROUGHOUT SMUD

- Distribution Services
- Gas Pipeline
- Environmental
- Telecom
- Transmission
- Power Generation



# QUESTIONS?

