



SUSTAINABILITY



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Smart Grid = Smart Solar

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Essential to Smart Grid

- Meters *must* have 2-Way Communication Capability
- Implants “Self-Awareness” into the Grid





Smart Grid Applications

- Remote Meter Reading & Billing
- Outage Notification
- High Bill Mitigation Programs
- Disconnect & Reconnect
- Surveillance & Security Systems
- Real-Time Pricing
- Voluntary Price Management



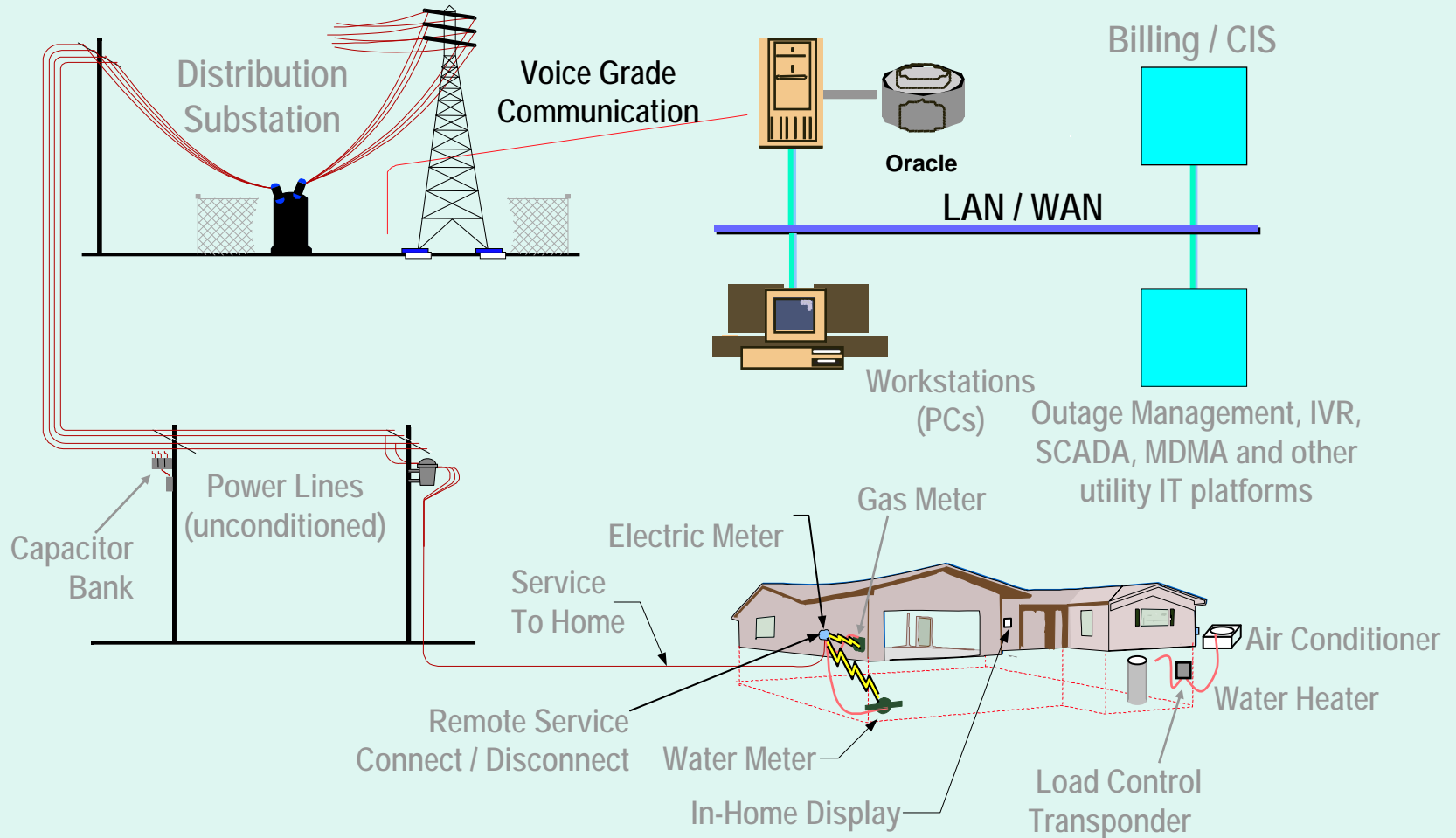


Communications Protocols

- **Power Line Carrier (PLC)**
- **Internet**
- **Fiber-Optics**
- **Telephone Land Lines**
- **Wireless**



Smart Grid/Smart House





Solar Power & A Smarter Grid

- **PV Variable Generation Management**
- **LE Solar Water Heater Program Management**
- **Tracking RECs & Carbon Credits**
- **Meeting Conservation Goals**







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