







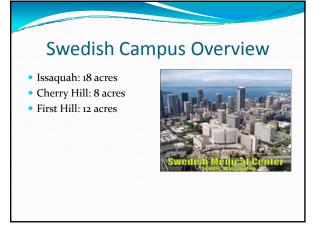
# Holistic Approach to Water Conservation

- Evaluating the needs of existing plant material
- Renovating landscapes to be more drought tolerant
  - Soil, plants, mulch
- Upgrading irrigation clocks and systems
- Tracking water usage
- Limiting the use of water features









### Issaquah

- New landscape in 2011
- Landscape design relies heavily upon natives
- Problems with installation
- Plant selection issues-Katsuras in parking islands
- Contractors maintain landscape & irrigation



#### Cherry Hill

- Archaic clocks
- Barren landscapes/ old horticultural practices
- Ancient systems
- Shared meters with the management company
- Contractors maintain landscape & irrigation



#### • First Hill

- Old systems
- 1970's landscaping
- Established landscapes severely overwatered
- Lots of pots to be hand watered- 29
- Combinations of drip and sprinklers in the same zone
- Limited staffing
- Irrigation is mainly contracted out



# LANDSCAPE RENOVATIONS FOR WATER CONSERVATION



- Establish priority areas
- Renovations- soil, plant selection, upgrading irrigation systems...
  - Immediately within the existing budget
  - 5-year plan for larger projects
- Mulch
  - Bare soil areas in landscapes that won't be immediately renovated
  - Existing landscaped beds
- Limit the use of annuals
- Remove ornamental pots

## Landscaping changes

- Issaquah
  - Incorporating perennials
  - Mulching
  - Replacing Katsura trees
  - Filling in bare spaces/ replacing specific plant selections





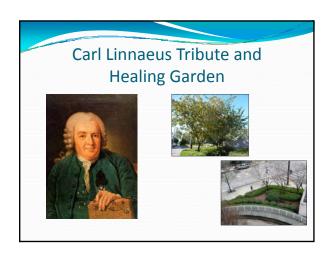


- Renovated main entrance beds
- Removed pots- 3 remaining
- Documented clocks & shutoffs
- Made upgrades to clocks and systems
- Obtained SPU rebates

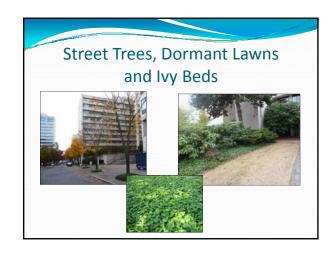


Main Entrance beds							
Shut off: Heath B FI, through door on left before garage, 2 key, in panel at far end							
Clock: In storage room off front driveway							
Type: Irritol Total Control							
Zones	Past times	Current times	M	Т	w	Th	F
Broadway street trees	3x 20						
2) Tropical Garden	2x 70	30	х			x	
3) Heath driveway beds	3x 20	20	х			x	
4) Sidewalk yew bed	2x 70						
5) Middle driveway bed	2x 70	25	х			×	
6) Ivy beds, S garage entry/exit	2x 70						
7) Azaleas along East wall	2x 20						
8) Corner Cherry & B'way shrub bed	2x70						

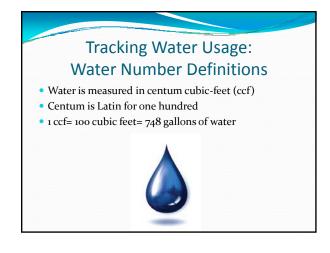


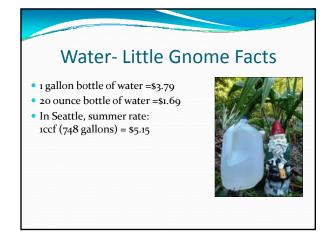


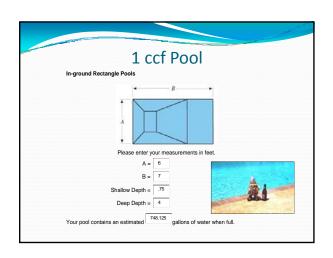


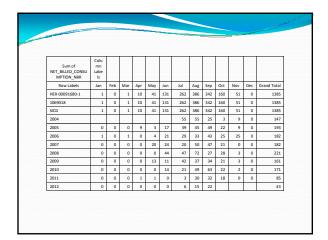


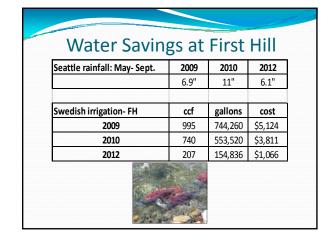












### 600,000 gallons of water equals...

- the amount of water per second over Niagara Falls
- a full Olympic-size pool (164' x 82' x 6')
- how much one acre of corn needs to yield 200 bushels



### Additional Savings- SPU Rebates



- Changing clocks & irrigation systems
  - Cherry Hill- \$4,000
  - First Hill- \$2,000

Keeping Puget Sound Green, One Landscape at a Time!

