The Skinny on Water Use Efficiency

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Seattle Public Utilities



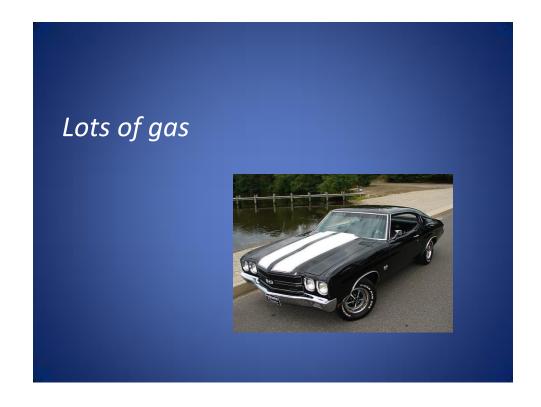
WATER USE IN THE LANDSCAPE – a little local history

Signs of the times:

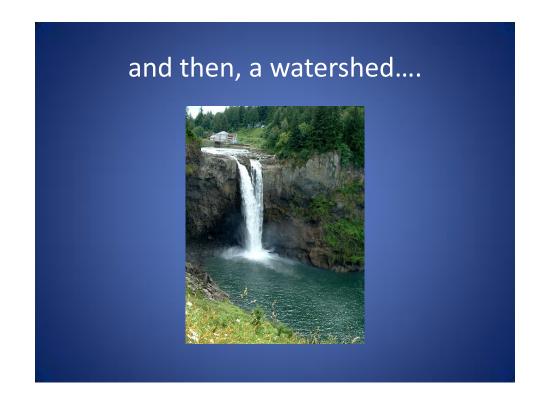
Lots of water use



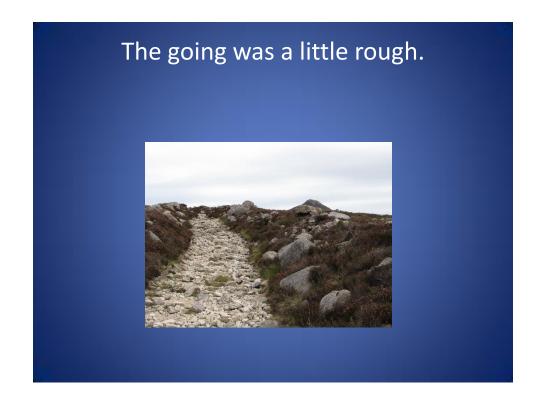










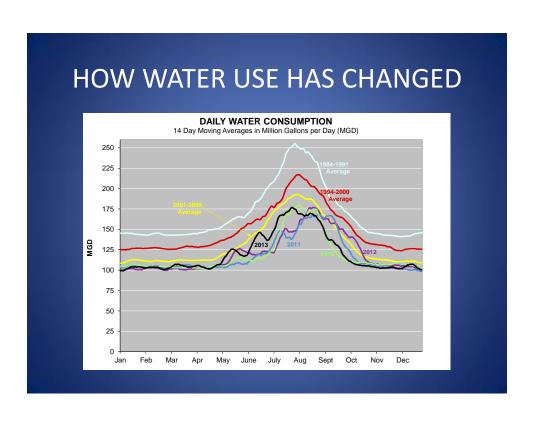


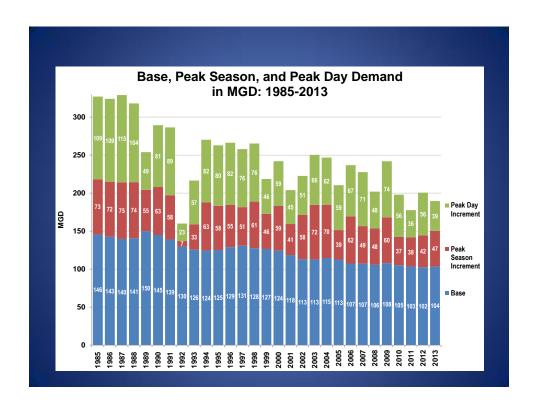


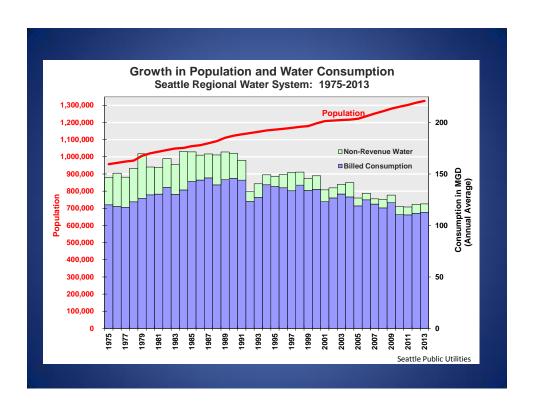
BEFORE?

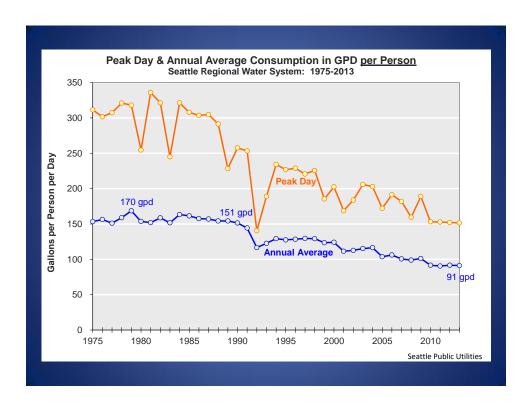
- Water freely –if a little is good.....
- P.S. Irrigation
- Water conservation? "When we have to"

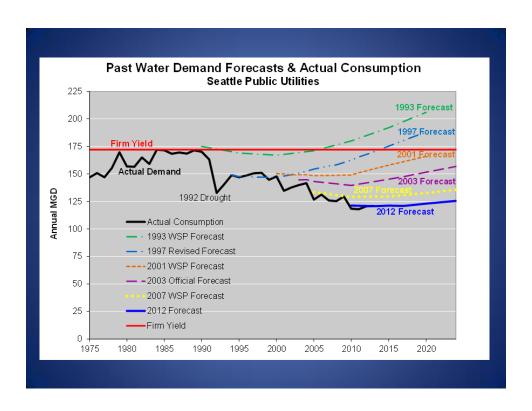












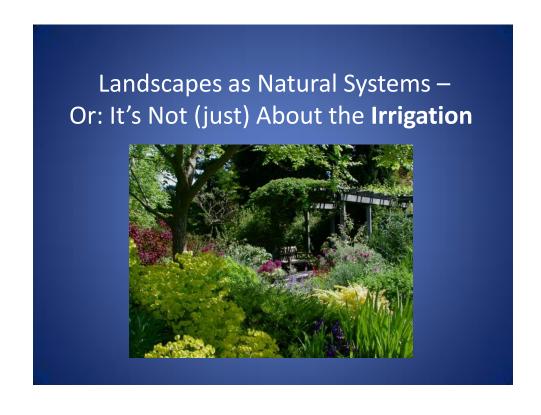
WHAT'S CHANGED? WHAT HAVE WE LEARNED?



Innovation - design to technology Upsides -

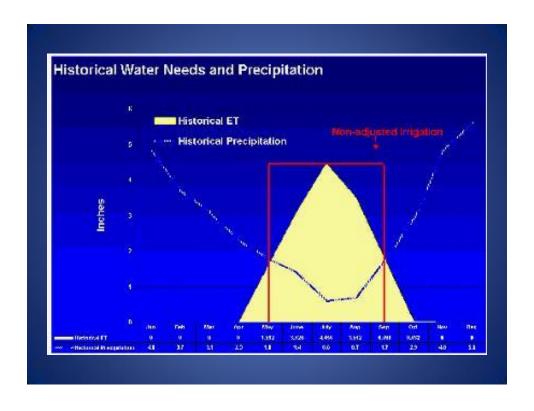
- Horticultural benefits
- More resilient landscapes
- Better teamwork







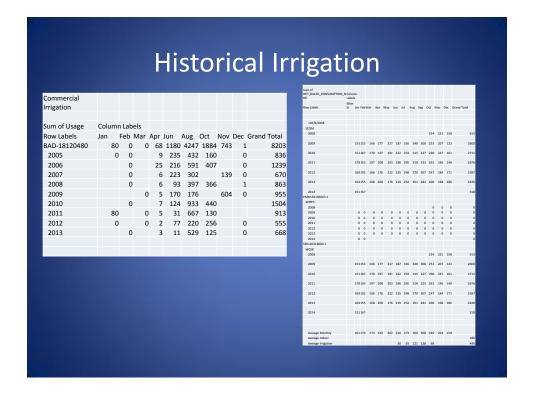




Background - Lead irrigation efficiency program manager - Over 700 commercial or multifamily properties in 23 different utility districts - 265 irrigation audits or assessments



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Meter	A or E	Date	Read	Usage	Credit	Billed Amount	Charged Amount	Days
BAD- 18120480	Α	12/30/2013		_	()	35	
BAD- 18120480	Α	10/28/2013	743	125	(988.7	5 1,023.75	62
BAD- 18120480	А	8/27/2013	618	529	(4,184.3	9 4,219.39	63
BAD- 18120480	А	6/25/2013	89	11	(87.0	1 122.01	. 57
BAD- 18120480	А	4/29/2013	78	3	(23.7	3 58.73	63
BAD- 18120480	А	2/25/2013	75	0	()	31.5	5 57
BAD- 18120480	Α	12/30/2012	75	0	()	0 29	61
BAD- 18120480	А	10/30/2012	75	256	(1,891.8	4 1,920.84	64
BAD- 18120480	А	8/27/2012	9,819	220	(1,625.8	0 1,654.80	63
BAD- 18120480	А	6/25/2012	9,599	77	(569.0	3 598.03	56







Irrigation Systems	Comprehensive Landscape		
rrigation audits	Assessments of landscape management practices		
rrigation recommendations reports	Customer & landscape based recommendations and support		
Financial incentives for nardware efficiency upgrades	Irrigation scheduling techniques and financial incentives for hardware efficiency upgrades		











Variety of Opportunities to Save Water in the Landscape

- Simple to complex
- Inexpensive to Expensive
- Irrigation vs. landscape approaches
- Management vs. hardware
- Short term vs. long term solutions







Themes & Opportunities

- Utility Bill Awareness
- Lack of Efficient Scheduling
- Sustainable Landscaping Awareness





Themes & Opportunities • Utility Bill Awareness • Water Management





